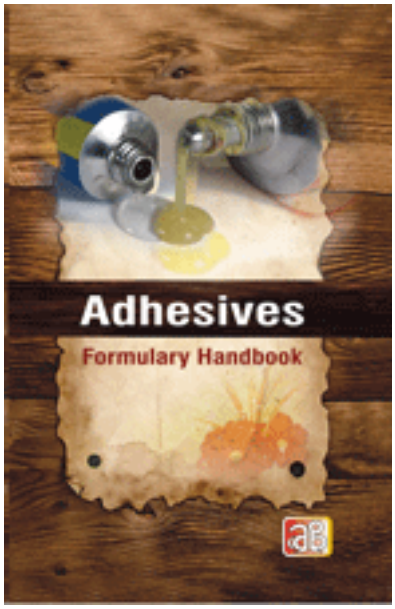
Entrepreneur India

106-E, Kamla Nagar, New Delhi-110007, India.
Tel: 91-11-23843955, 23845654, 23845886, +918800733955,
Mobile: +91-9811043595.
Email: npcs.ei@gmail.com ,info@entrepreneurindia.co

Website: www.entrepreneurIndia.co

Adhesives Formulary Handbook (Reprint)



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Adhesives surround us in nature and in our daily lives. Adhesive, or glue, is a mixture in a liquid or semi liquid state that is capable of holding materials together by surface attachment. An adhesive is a compound that adheres or bonds two items together so as to form a single unit. Adhesives may come from either natural or synthetic sources. Adhesives and sealants virtually touch every part of our lives. Some modern adhesives are extremely strong, and are becoming increasingly important in modern construction and industry. A large and growing number of adhesives are available in the market. Adhesives for this growing market range from the simplest glues and mucilages for furniture making and repair, to metal to metal bonding for frame construction. There is no end in sight to the new materials, new formulation, and new uses to which adhesives will be put in the future. Formulations generally are compounded to satisfy a special need or needs. Therefore, uniformity of neither product nor end use exists. Applicators of different adhesives are designed according to the adhesive being used and the size of the area to which the adhesive will be applied. The adhesive is applied to either one or both of the materials being bonded. The pieces are aligned and pressure is added to aid in adhesion and rid the bond of air bubbles. Adhesives are of great use across innumerable industrial and commercial applications.
Some of the fundamentals of the book are water based industrial type adhesives, home construction and related adhesives, water based wallpaper adhesive, fabric adhesives, water based adhesive for bonding non woven fabric to non woven fabric by knife coating, film adhesives, water based food packing adhesive for bonding, flocking adhesives, foam adhesives, water based adhesive for bonding urethane, industrial adhesives, bag seam and bottom paste adhesives, solid fiber, fiberboard and corrugated board adhesives, packaging adhesives etc.

This indispensable book contains numerous essential adhesive formularies distinguished by application. This book will be an invaluable resource to its readers, upcoming entrepreneurs, scientists, existing industries, technical institutions, etc.

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Hot Melt Good Sunlight-Aging High-Clarity General Purpose Adhesive (Polybutenes)
Hot Melt Low-Cost General Purpose Adhesive (Resin/Ethyl Cellulose)
Hot Melt Low-Temperature General Purpose Adhesive (Polyamides)
Hot Melt Low-Temperature General Purpose Adhesive (Polyamide)
Hot Melt Low-Temperature General Purpose Adhesive (Polyamide/Resin)
Hot Melt Laminating Adhesive (Resin/Ethyl Cellulose)

Hot Melt Laminating Adhesive (Resin/Ethyl Cellulose)

17.INDUSTRIAL TYPE ADHESIVES

Hot Melt Bookbinding Adhesive (Ethylene-Vinyl Acetate/Polyterpene/Rosin)
Hot Melt Bookbinding Adhesive (Ethylene-Vinyl Acetate/Resin)
Hot Melt Elastic Backing Adhesive (Polybutene/ Butyl)
Hot Melt Elastic Backing Adhesive (Polybutene/ Butyl)
Hot Melt Elastic Backing Adhesive (Polybutene/ Butyl)
Hot Melt Industrial Use Adhesive (Rosin/ Polyvinyl Butryal)
Hot Melt Leather-to-Wood Adhesive (Rosin/ Polyvinyl Butyral)
Hot Melt Metal-to-Metal Adhesive and Caulking Compound (Polyamides)
Hot Melt Strong Bond Assembly Adhesive (Resin/Rubber)
Hot Melt Strong Bond Assembly Adhesive (Resin/Rubber)
Hot Melt Traffic Marker (Resins/Ethyl Cellulose)
Hot Melt Transfer of Marking Ink (Ethyl Cellulose/Resin)

18.LABELLING ADHESIVE

Hot Melt General Purpose Label Adhesive (Ethylene-Vinyl Acetate/Polyterpene)
Hot Melt General Purpose Label Adhesive (Ethylene-Vinyl Acetate/Resin)
Hot Melt General Purpose Label Adhesive (Resin)
Hot Melt Label Adhesive (Ethylene-Vinyl Acetate/Polyethylene/Resin)
Hot Melt Label Adhesive for Difficult Substrates (Ethylene-Vinyl Acetate/ Polyterpene)
Hot Melt Hot Pick-Up Label Adhesive (Resins/ Polyvinyl Butyral
Hot Melt Pressure Sensitive Label Adhesive (Resins/Rubbers)

Hot Melt Pressure Sensitive Label Adhesive (Resins/Rubbers)
Hot Melt Pressure Sensitive Label Adhesive (Rubber/Resin)
Hot Melt Pressure Sensitive Permanent Label Adhesive (Polypropylene/Resin/Polybutene)
Hot Melt Label and Closure Adhesive (Ethylene-Vinyl Acetate/Resin)

19.PAPER AND PACKAGING TYPE ADHESIVES

Hot Melt Carton Sealing Adhesive (Ethylene-Vinyl Acetate/Resin)
Hot Melt Carton Sealing Adhesive for Low Temperature Applications (Ethylene-Vinyl Acetates/Polyterpene)
Hot Melt Carton and Case Sealing Adhesive (Ethylene-Vinyl Acetate/Resins)
Hot Melt Case Sealing Adhesive (Polyethylene/Polyterpene/Ethylene-Vinyl Acetate)
Hot Melt Fast Asseble Carton and Case Sealing Adhesive (Ethylene-Vinyl Acetate/ Resin/Polyethylene/Rubber)
Hot Melt Curtain Coater Adhesive (Polyterpene/Ethylene-Vinyl Acetate)
Hot Melt Adhesive for Form and Fill Pouches (Ethylene-Vinyl Acetate/Resin)
Hot Melt Adhesive for Frozen Food Cartons (Ethylene-Vinyl Acetate/Polyterpene)
Hot Melt Glassine and General Purpose Paper Adhesive (Polyamides)
Hot Melt Paper Laminating Adhesive (Polybutene/ Resin/Rubber)
Hot Melt Laminating Adhesive for Paper, Film and Foil (Polyterpene/Polypropylene)
Hot Melt Packaging Adhesive (Ethyl Cellulose/ Resins)
Hot Melt Packaging Adhesive (Ethyl Cellulose/ Resins)
Hot Melt Packaging Adhesive (Ethyl Cellulose/ Resins)
Hot Melt Packaging Adhesive (Ethyl Cellulose/ Resins)
Hot Melt Packaging Adhesive (Ethyl Cellulose/ Resins)

Hot Melt Packaging Adhesive (Resins/Polyvinyl Butyral)
Hot Melt Packaging Adhesive (Resins/Polyvinyl Butyral)
Hot Melt Polyethylene Adhesive (Polyamides)
Hot Melt Adhesive for Soap Wrappers and Bands (Ethylene-Vinyl Acetate)
Hot Melt Adhesive for Soap Wrappers and Bands (Ethylene-Vinyl Acetate)
Hot Melt Adhesive for Soap Wrappers and Bands (Ethylene-Vinyl Acetate Resin)
Hot Melt Tray-Forming and Case-Sealing Adhesive (Polyethylenes/Polyterpene)
Hot Melt Wax Paper Adhesive (Resins/Polyvinyl Butyral)

20.PRESSURE SENSITIVE ADHESIVES

Hot Melt Pressure Sensitive Adhesive (Polybutenes/Resin)
Hot Melt Pressure Sensitive Adhesive (Polybutenes/Resin)
Hot Melt Pressure Sensitive Adhesive (Polybutenes/Resins/Polypropylene)
Hot Melt Pressure Sensitive Adhesive (Polypropylene/Rosin)
Hot Melt Pressure Sensitive Adhesive (Polypropylene/Rosin)
Hot Melt Pressure Sensitive Adhesive (Polypropylene/Rosin/Polybutene)
Hot Melt Pressure Sensitive Adhesive (Polyterpene/Ethylene-Vinyl Acetate/ Polyethylene)
Hot Melt Pressure Sensitive Adhesive (Polyterpene/Isoprene-Styrene/Polybutene/ Resin)
Hot Melt Pressure Sensitive Adhesive (Polyterpene/Isoprene-Styrene/Polybutene/ Resin)
Hot Melt Pressure Sensitive Adhesive (Polyterpene/Isoprene-Styrene/Polybytene/ Resin)
Hot Melt Pressure Sensitive Adhesive (Polyterpene/Isoprene-Styrene/ Polubutene/Resin)
Hot Melt Pressure Sensitive Adhesive

(Polyterpene/Resin)
Hot Melt Pressure Sensitive Adhesive
(Polyterpene/Styrene-Isoprene-Styrene/
Styrene-Butadiene)
Hot Melt Pressure Sensitive Adhesive
(Polyterpenes/Ethylene-Vinyl Acetate)
Hot Melt Pressure Sensitive Adhesive
(Resin/Rubber)
Hot Melt Pressure Sensitive Adhesive
(Resin/Rubber)
Hot Melt Pressure Sensitive Adhesive
(Resin/Rubber)
Hot Melt Pressure Sensitive Adhesive
(Rubber/Polyterpene/Polybutene/Resin)
Hot Melt Pressure Sensitive Adhesive
(Rubber/Polyterpene/Polybutene/Resin)
Hot Melt Pressure Sensitive Adhesive
(Rubber/Polyterpene/Polybutene/Resin)
Hot Melt Pressure Sensitive Adhesive
(Rubber/Polyterpene/Resin/Polybutene)
Hot Melt Pressure Sensitive Adhesive
(Rubber/Polyterpene/Resin/Polybutene)
Hot Melt Pressure Sensitive Adhesive
(Rubber/Polyterpene/Resin/Polybutene)
Hot Melt Pressure Sensitive Adhesive
(Rubber/Resin)
Hot Melt Pressure Sensitive Adhesive
(Rubber/Resins)
Hot Melt Low-Cost Pressure Sensitive Adhesive
(Polypropylene/Resin/Polybutene)
Hot Melt Low-Cost Pressure Sensitive Adhesive
(Polypropylene/Resin)
Hot Melt Sprayable Pressure Sensitive Adhesive
(Polyterpene/Styrene-Isoprene-Styrene/
Styrene-Butadiene)

SECTION V
HOT MELT COATINGS

21.INDUSTRIAL TYPE COATINGS

Hot Melt Stop-Off Plating Coating (Cellulose
Acetate Butyrate)
Hot Melt Strippable Coating (Cellulose Acetate
Butyrate)
Hot Melt Strippable Coating (Cellulose Acetate

Butyrate/Resin)
Hot Melt Strippable Coating (Ethyl Cellulose)
Hot Melt Strippable Coating (MIL-P-149B, Type II)
(Cellulose Acetate Butyrate)
Hot Melt Strippable Coating (MIL-P-149B, Type II)
(Cellulose Acetate Butyrate)
Hot Melt Strippable Coating (MIL-P-149B, Type II)
(Cellulose Acetate Butyrate)
Hot Melt Strippable Coating (MIL-P-149B, Type II)

(Cellulose Acetate Butyrate)
Hot Melt Strippable Coating (MIL-P-149B, Type II)
(Cellulose Acetate Butyrate)
Hot Melt Strippable Coating For Metal Parts
(MIL-P-149A,) (Ethyl Cellulose)

22.PAPER AND PACKAGING TYPE COATINGS
Hot Melt Coating for Aluminum Foil Soap
Wrappers (Ethylene-Vinyl Acetate/
Polyethylene/Resin)
Hot Melt Coating for Film with Heat-Sealable
Properties (Ethylene-Vinyl Acetate/
Resin/Polybutene)
Hot Melt Coating for Frozen Food Cartons
(Polyethylene)
Hot Melt Food-Packaging Coating (Resin/Ethyl
Cellulose)
Hot Melt Frozen Food-Packaging Coating
(Resin/Ethyl Cellulose)
Hot Melt General Barrier Coating for
Corrugated Containers (Ethylene-Vinyl
Acetate/Polyterpene/Polyethylene)
Hot Melt General Purpose Coating
(Polyterpene/Ethylene-Vinyl Acetate)
Hot Melt Heat-Sealable Paper Coating
(Ethylene-Vinyl Acetate/Resin)3
Hot Melt High Gloss Display Coating
(Ethylene-Vinyl Acetate/Polyterpene/
Polyethvlene)
Hot Melt High Gloss Low-Viscosity Display
Coating (Polythylene/Polyterpene)
Hot Melt High Gloss General Purpose
Coating (Polyethylene)
Hot Melt High Gloss Packaging Coating
(Ethylene-Vinyl Acetate/Polyterpene)
Hot Melt High Gloss Packaging Coating for

All Food Cartons (Polyethylene)
Hot Melt High Gloss Paper Coating with Heat-Sealable Properties (Resin)
Hot Melt High Gloss Paper Coating with Heat-Sealable Properties (Resin)
Hot Melt Hot Tack Coating for Non-porous Surfaces (Ethylene-Vinyl Acetate-Acid/ Polyterpene)
Hot Melt Impregnant for Corrugated Boxes (Resin)
Hot Melt Impregnant for Corrugated Boxes (Resin)
Hot Melt Impregnant for Corrugated Boxes (Resin)
Hot Melt Label Coating Adhesive (Polyethylene/Polyterpene/Polybutene)
Hot Melt Low Cost Adhesive Coating (Resin/Rosin)
Hot Melt Low Cost Adhesive Coating (Resin/ Rosin/Butyl)
Hot Melt Packaging Coating for Bread Wrappers (Resin/Ethyl Cellulose)
Hot Melt Packaging Coating for Curtain Coater Application on Frozen Food Cartons (Ethylene-Vinyl Acetate/Resin)
Hot Melt Packaging Coating for Curtain Coater Application on Frozen Food Cartons (Resins)
Hot Melt Packaging Coating for Curtain Coater Application on Frozen Food Cartons (Resins)
Hot Melt Packaging Coating for Curtain Coater Application on Frozen Food Cartons (Resins)
Hot Melt Packaging Coating for Curtain Coater Application on Frozen Food Cartons (Resins)
Hot Melt Packaging Coating for Folding Food Cartons (Resin)
Hot Melt Packaging Coating for Folding Food Cartons (Resin)
Hot Melt Packaging Coating for Folding Food Cartons (Resins)
Hot Melt Packaging Coating for Folding Food Cartons (Resin)
Hot Melt Paper Coating (Cellulose Acetate Butyrate)

Hot Melt Paper Coating (Cellulose Acetate Butyrate/Resin-Vinyl Acetate
Hot Melt Paper Coating (Resin)
Hot Melt High Gloss Paper Coating for Curtain Coaters (Ethylene-Vinyl Acetate/Polyethylene)
Hot Melt Paper Coating for Curtain Coaters (Ethylene-Vinyl Acetate/Polyethylene)
Hot Melt Paper Coating with Heat Sealable Properties (Resin/Rosin)
Hot Melt Paper and Packaging Coating (Resins/Ethyl Cellulose)
Hot Melt Pattern Coating and High Gloss Carton Coating (Ethylene-Vinyl Acetate/Polyethylene)
Hot Melt Pattern Coating and High Gloss Carton Coating (Ethylene-Vinyl Acetate/Polyethylene)
Hot Melt Pattern Coating and High Gloss Carton Coating (Polyethylene)

SECTION VI
MISCELLANEOUS ADHESIVES ANOATINGS

23.EPOXY ADHESIVES

Epoxy General Purpose Adhesive (Two Component: Epoxy/Curing Agent)
Epoxy Adhesive for Bonding Wet to Cured Concrete (Two Component: Epoxy/Curing Agent)

24.OIL-BASED ADHESIVES

Acoustical Tile Adhesive-Low Cost Type (Tall Oil Pitch/Resin)
Cove Base Tile Adhesive-Low Cost Type (Tall Oil Pitch/Resin)
Oil-Based Floor Tile Adhesive-Natural High-Quality Low Cost Type (Soyabean Oil Pitch/Resin)
Oil-Based Floor Tile Adhesive-White High-Quality Moderate Cost Type (Soyabean Oil Pitch/Rosin)

25.PLASTISOL ADHESIVES AND COATINGS

Plastisol Adhesives for Bonding Vinyl Plastisol or Vinyl Sheets to Many Substrates (Vinyl Chlorides)

Plastisol Adhesives for Bonding Vinyl Film to
Fabric by Roller Coat Application
(Vinyl Chloride)
Plastisol Adhesives for Bonding Vinyl Film to
Fabric by Roller Coat Application
(Vinyl Chloride)
Plastisol Fire-Retardant Continuous Coating for
Fabric (Vinyl Chloride/Chlorinated Paraffin)
Plastisol Flame-Retardant Coating for Metal,
Wood and Fabrics (Polyvinyl Chloride)
Plastisol Flame-Retardant Coating for Metal,
Wood and Fabrics (Polyvinyl Chloride)
Plastisol Spread-Coating Compound
(Vinyl Chloride)
Plastisol Weather-Resistant Coating for Metal,
Wood and Fabrics (Vinyl Chloride)
Plastisol Weather-Resistant Coating for Metal,
Wood and Fabrics (Vinyl Chloride)

26.RESIN EMULSIONS FOR FURTHER
COMPOUNDING

Resin Emulsion for Compounding Emulsion
Adhesives (Resin)
Resin Emulsion for Compounding Emulsion
Adhesives (Resin)
Resin Emulsion Base for Compounding
Emulsion Adhesives (Resin)
Resin Emulsion for Compounding Emulsion
Adhesives (Resin)

SECTION VII
MISCELLANEOUS PATCHING AND SEA COMPOUNDS

27.CAULKING COMPOUNDS

Oil-Based Caulking Compounds (TT-C-598) (Oil)
Oil-Based Caulking Compounds - General
Purpose Grade (Linseed Oil/Polybutene)
Oil-Based Caulking Compounds - General Purpose
Rope Grade (Polybutene)
Oil-Based Caulking Compounds - Gun Grade
(Soyabean Oil/Polybutene)
Oil-Based Caulking Compounds -
Gun Grade (Polybutene)

Oil-Based Caulking Compounds - Aluminum Gun Grade (TT-C-598b) (Soyabean Oil)
Oil-Based Caulking Compounds - High-Quality Moderate-Cost Gun Grade (Soyabean Oil/Polybutene)
Oil-Based Caulking Compounds - Low-Cost Gun Grade (Soyabean Oil/Polybutene)
Oil-Based Caulking Compounds - Natural Special Gun Grade (Soyabean Oil/Polybutene)
Oil-Based Caulking Compounds - High-Quality Knife Grade (Oils)
Oil-Based Caulking Compounds - High-Quality Knife Grade (Soyabean Oils)
Oil-Based Caulking Compounds - Household Tub Grade (Resin)
Oil-Based Caulking Compounds - White Durable Grade (Soyabean Oil)
Polyuretane Caulking Compounds - Flexible Grade (Two Component: Urethane-Polyol)
Polyuretane Caulking Compounds - Flexible Grade (Two Component: Urethane-Polyol)
Polyuretane Caulking Compounds - Flexible Grade (Two Component: Urethane-Polyol)
Solvent-Based Caulking Compound - Aluminum Grade (Butyl/Polyterpenes)
Solvent-Based Caulking Compound - White Grade (Butyl/Polyterpenes)
Solvent-Based Caulking Compound - High-Quality Grade (TT-S-001657) (Polybutene/Butyl)
Solvent-Based Caulking Compound - High-Quality Grade (TT-S-001657) (Polybutene/Butyl/Resin)
Solvent-Based Caulking Compound - High-Quality Grade (TT-S-001657) (Polybutene/Resin)
Solvent-Based Caulking Compound - High-Quality Flexible Gun Grade (Polybutene/Butyl phenolic)
Solvent-Based Caulking Compound - High-Quality General-Purpose Grade (TT-S-001657) (Polybutene/Butyl/Resin)
Solvent-Based Caulking Compound - Non-skinning Gun Grade (Polybutene/Soyabean Oil)
Solvent-Based Caulking Compound - Gun Grade (Butyl)

Water-Based Caulking Compound - General Purpose Grade (Acrylic)
Water-Based Caulking Compound - General Purpose Grade (Ethylene-Vinyl Acetate)
Water-Based Caulking Compound - General Purpose Grade (Ethylene-Vinyl Acetate)
Water-Based Caulking Compound - High-Quality Gun Grade (Acrylic)
Water-Based Caulking Compound - High-Quality Gun Grade (Acrylic)
Water-Based Caulking Compound - High-Quality Gun Grade (Acrylic)
Water-Based Caulking Compound - High-Quality Flexible Grade (Vinyl Acetate-Acrylic)
Water-Based Caulking Compound - High-Quality Moderate-Cost Gun Grade (Acrylic)
Water-Based Caulking Compound - White Gun Grade (Acrylic)
Water-Based Caulking Compound - White High-Quality Low-Cost Household Tub Grade (Acrylic)

28.CEMENT, CONCRETE AND PLASTER PATCHING COMPOUNDS

Cement Topping Mix - Dry Type (Sand/Cement/Vinyl Acetate/Vinyl Alcohol)
Plaster Patching Compound - Dry Type (Plaster/Vinyl Acetate)
Patching Compound for Masonry - Trowel Grade (Three Component: Epoxy-Hardener-Sand)
Water-Based Patching Compound for Concrete - High Quality Paste Type (Acrylic)

29.GLAZING COMPOUNDS

Oil Based Glazing Compound - Elastic Grade (Soyabean Oil/Polybutene)
Oil Based Glazing Compound - Greenhouse Grade (Mineral Oil/Linseed Oil)
Oil Based Glazing Compound - High-Quality Grade (Oils)
Oil Based Glazing Compound - High-Quality Elastic Grade (Oils)
Oil Based Glazing Compound - Professional Grade (Soyabean Oil/Linseed Oil)

Water-Based Glazing Compound - High-Quality Exterior Grade (Acrylic)

30.GROUTING COMPOUNDS

Grounting Compound - Dry Type for Ceramic Tiles (Calcium Carbonate/Cement)
Water-Based Grounting Compound - Prepared High Quality Convenience Type for Tiles (Acrylic)

31.JOINT CEMENTS

Joint Cement- Dry Type (Calcium Carbonate/ Micas)
Joint Cement - Dry Type (Calcium Carbonate/ Mica/Vinyl Acetate)
Joint Cement - Dry Type (Calcium Carbonate/ Micas/Vinyl Acetate/Vinyl Alcohol)
Joint Cement - Dry Type (Calcium Carbonate/ Mica/Vinyl Acetate/Vinyl Alcohol)
Water Based Joint Cement - Paste Type (Calcium Carbonate/Vinyl Acetate)

32.MASTICS

Oil-Based Mastic - High-Quality Moderate-Cost Type for Ceramic Tiles (Soyabean Oil/Resin)
Oil-Based Mastic - High-Quality Moderate-Cost Type for Ceramic Tiles (Resin)
Rubber-Based Mastic - High-Quality Knife-Sealer Grade (Polybutene)
Solvent-Based Mastic - Trowelable Grade (Resin)
Water-Based Mastic - High-Quality Type for Bonding Insulation to Epoxy-Coated Surfaces (Vinyl Acetate-Acrylate)
Water-Based Mastic - High-Quality Type for Bonding Insulation to Various Substrates (Vinyl Acetate-Acrylate)
Water-Based Mastic - White High-Quality Low-Cost Type for Wall Tiles (Resin/Styrene-Butadiene)
Water-Based Mastic - Natural High-Quality Low-Cost Type for Wall Tiles (Resin/Styrene-Butadiene)
Water-Based Mastic - Natural High-Quality Moderate-Cost Type for Ceramic Tiles

(Resin/Styrene-Butadiene)
Water-Based Mastic - Natural High-Quality
Moderate-Cost Type for Ceramic Tiles
(Styrene-Butadiene)
Water-Based Mastic - White High-Quality
Moderate-Cost Type for Ceramic Tiles
(Resin/Styrene-Butadiene)

33.PUTTIES

Oil-Based Putty - Metal Sash Grade
(Linseed Oil)
Oil-Based Putty - Plumberâ€™s Grade (Oils)
Oil-Based Putty - Stainless Grade (Linseed Oil/
Soyabean Oil)
Oil-Based Putty - White Commercial Grade
(Mineral Oil/Linseed Oil)
Oil-Based Putty - White High-Quality Grade
(Linseed Oils)

34.SEALANTS

Hot Melt Sealant (Phenolic/Butyl/Ethylene-
Vinyl Acetate)
Hot Melt Sealant (Butyl/Phenolic/Ethylene-
Vinyl Acetate)
Hot Melt Sealant (Resins/Ethylene-Vinyl
Acetate/Butyl)
Rubber-Based Sealant Tape Adhesive
(Polybutenes)
Sealant - High-Quality Gun Grade
(Polymercaptan)

35.SEAM COMPOUNTS

Oil-Based Seam Sealer for Automotive Use
(Mineral Oil/Gilsonite)
Oil-Based Seam Compound - Marine-Use Grade
Linseed Oil/Marine Oil)

36.SOLDERS

Cold Solder (Two-Component: Epoxy-Hardener)
Cold Solder (Two-Component: Polyester-
Hardener)
Cold Solder (Two-Component: Polyester-

Hardener)

37.SPACKLING COMPOUNDS

Spackling Compound - Dry Type
(Calcium Carbonate)
Spackling Compound - Dry Type (Calcium
Carbonate/Vinyl Acetate/Vinyl Alcohol)

Section VIII: Trademarked Raw Materials
Section IX: Suppliersâ€™ Addresses

Sample Chapter:

PRESSURE SENSITIVE ADHESIVES

HOT MELT PRESSURE SENSITIVE ADHESIVE (POLYBUTENES/RESIN)

Sl.	Raw Materials	Percent by Weight
1.	Vistanex MML-100 Isobutene Polymer	35.0
2.	Polybutene 128 Isobutene Polymer	18.0
3.	Abitol Resin	21.0
4.	Mineral Oil	26.0
		100.0

HOT MELT PRESSURE SENSITIVE ADHESIVE (POLBUTENES/RESIN)

.

Sl.	Raw Materials	Per cent by Weight
1.	Vistanex MML-100 Isobutene Polymer	35.0
2.	Polybutene 128 Isobutene Polymer	22.0
3	Staybelite Ester 3 Resin	17.0
4.	Mineral Oil	26.0
		100.0

HOT MELT PRESSURE SENSITIVE ADHESIVE(POLUBUTENES/RESINS)

td] 36.0

Sl.	Raw Materials	Per centby Weight
1.	Vistanex MML-100 Isobutene Polymer	2.
Polybutene 128 Isobutene Polymer	10.0	3.
Staybelite Ester 3 Resin	18.0	4.
Staybelite Ester 10 Resin	9.0	5.
Mineral Oil	27.0	

Key Properties

Good peel strength

HOT MELT PRESSURE SENSITIVE ADHESIVE (POLUBUTENES/RESINS/ POLYPROPYLENE)

Sl.	Raw Materials	Per cent by Weight
1.	Vistanex MML-100 Isobutene Polymer	27
2.	Polybutene 128 Isobutene Polymer	14
3.	Polypropylene (Amorphous)	13
4.	Hercolyn D Resin	13
5.	Piccolyte -115 Polyterpene Resin	13
6.	Mineral Oil	20
		100

Key Properties

Excellent peel strength

HOT MELT PRESSURE SENSITIVE ADHESIVE (POLYPROPYLENE/ROSIN)

Sl.	Raw Materials	Per cent by Weight
1.	Polytac R-1000 Amorphous Polypropylene	60.0
2.	Tall Oil Rosin	40.0
		100.0

Physical Constants

Brookfield Viscosity @ 340ÂºF: 1,100 cp

Softening Point (Ring and Ball): 300ÂºF (149ÂºC)

Key Properties

Excellent elongation

Relatively low cost

Low odour

HOT MELT PRESSURE SENSITIVE ADHESIVE (POLYPROPYLENE/ROSIN)

Sl.	Raw Materials	Parts by wet weight	Percent by wet weight
1.	Polytac R-1000 Amorphous Polypropylene	50.0	50.5
2.	Tall Oil Rosin	34.0	34.3

3.	Paraffin Wax (190Â°-195Â°F Melting Point)	154.0	15.2
		99.0	100.0

Physical Constants

Brookfield Viscosity @ 340ÂºF: 1,000 cp

Softening Point (Ring and Ball): 290ÂºF (143ÂºC)

Key Properties

Tacky and stringy

Relatively low cost

Low odour

HOT MELT PRESSURE SENSITIVE ADHESIVE (POLYPROPYLENE/ROSIN/POLYBUTENE)

In

Sl.	Raw Materials	Per cent by Weight
1.	Polytac R-1000 Amorphous Polypropylene	50.0
2.	Rosin (Hydrogenated)	30.0
3.	dopol H-300 Isobutene Polymer	20.0
		100.0

Physical Constants

Brookfield Viscosity @ 340ÂºF: 1300 cp

Key Properties

Excellent surface tack

Relatively low cost

Low odour

HOT MELT PRESSURE SENSITIVE ADHESIVE (POLYTERPENE/ETHYLENE-VINYL ACETATE/POLYETHYLENE)

M

Sl.	Raw Materials	Per cent by Weight
1.	Ethylene/Vinyl Acetate Copolymer Resin (Melt Index of 2-3)	24.88
2.	icrocrystalline Wax (180Â°F MeltingPoint)	24.88
3.	Epolene C-15 Polyethylene Resin	12.44
4.	Wingtack 115 Polyterpene Resin	37.30

5.	Wingstay L Antioxidant	0.50
		100.00

Softening Point (Ring and Ball): 201ÂºF (94ÂºC)
Brookfield Viscosity @ 300ÂºF: 10,500 cp
Brookfield Viscosity @ 325ÂºF: 7,200 cp
Brookfield Viscosity @ 350ÂºF: 5,100 cp

Key Properties

Suitable for high tempera-Low volatility
True hot melt-Viscosity stable under
Adhesive applications prolonged heat-Good hot tack and wet ability

HOT MELT PRESSURE SENSITIVE ADHESIVE (POLYTERPENE/ISOPRENE-STYRENE/POLYBUTENE/RESIN)

Sl.	Raw Materials	Parts by wet weight	Percent by wet weight
1.	Solprene 418 Plastomer	100	26.88
2.	Wingtack 95 Polyterpene Resin	150	40.32
3.	Amoco 18-210 Resin	40	10.75
4.	Indopol H-300 Isobutene Polymer	80	21.51
5.	Irganox 1010 Antioxidant/Stabilizer	2	0.54
		372	100.00

Formulation Note

Other elastomers, besides Solprene 418, may give excellent results in similar compounds.

Physical Constants

Quick Stick Adhesion (PSTC-5): 4.1 lb
Peel Adhesion (PSTC-1): 11.4 lb
Shear Adhesion (Amoco): 135.0 sec

Key Properties

Tacky-Improved quick stick
Strengthened and reinforced-adhesion and peel compound-adhesion
Should find application inself-stick floor tiles, special tapes and specialty labels-Excellent shear adhesion

HOT MELT PRESSURE SENSITIVE ADHESIVE (POLYTERPENE/ISOPRENE-STYRENE/POLYBUTENE/RESIN)

Sl.	Raw Materials	Parts by weight	Percent by weight

1.	Solprene 418 Plastomer	100	26.88
2.	Wingtack 95 Polyterpene Resin	150	40.32
3.	Amoco 18-290 Resin	40	10.75
4.	Indopol L-14 Isobutene Polymer	80	21.51
5.	Irganox 1010 Antioxidant/Stabilizer	2	0.54
		372	100.00

Formulation Note

Other elastomers, besides Solprene 418, may give excellent results in similar compounds.

Physical Constants

Rolling Ball Tack (PSTC-6): 1.3 cm

Key Properties

Tacky

Strengthened and reinforced compound

Should find application in self-stick floor tiles, speciality tapes and speciality labels Improved rolling ball tack

HOT MELT PRESSURE SENSITIVE ADHESIVE (POLYOTERPENE/ISOPRENE-STYRENE/POLYBUTENE/RESIN)

Sl.	Raw Materials	Parts by weight	Percent by weight
1.	Solprene 418 Plastomer	100	26.88
2.	Wingtack 95 Polyterpene Resin	150	40.32
3.	Amoco 18-290 Resin	40	10.75
4.	Indopol H-1500 Isobutene Polymer	80	21.51
5.	Irganox 1010 Antioxidant/Stabilizer	2	0.54
		372	100.00

Formulation Note

Other elastomers, besides Solprene 418, may give excellent results in similar compounds.

Physical Constants

Quick Stick Adhesion (PSTC-5): 4.3 lb

Peel Adhesion (PSTC-1): 13.7 lb

Shear Adhesion (Amoco Test): 28.9 lb

Key Properties

Tacky

Strengthened and reinforced compound

Should find application in self-stick floor tiles, speciality tapes and speciality labels

Improved quick stick adhesion and peel adhesion

Good Shear Adhesion

HOT MELT PRESSURE SENSITIVE ADHESIVE (POLYTERPENE/ISOPRENE-STYRENE/POLYBUTENE/RESIN)

Sl.	Raw Materials	Parts by weight	Percent by weight
1.	Solprene 418 Plastomer	100	33.11
2.	Wingtack 95 Polyterpene Resin	150	49.67
3.	Amoco 18-210 Resin	40	13.25
4.	Indopol L-14 Isobutene Polymer	10	3.31
5.	Irganox 1010 Antioxidant/Stabilizer	2	0.66
		302	100.00

Formulation Note

Other elastomers, besides Solprene 418, may give excellent results in similar compounds.

Physical Constants

Quick Stick Adhesion (PSTC-5): 11.6 lb

Peel Adhesion (PSTC-1): 10.7 lb

Shear Adhesion (Amoco Test): 42.8 sec.

Key Properties

Tacky

Strengthened and reinforced compound

Should find application in self-stick floor tiles, speciality tapes and speciality labels

Improved quick stick adhesion and peel adhesion

Good Shear Adhesion

HOT MELT PRESSURE SENSITIVE ADHESIVE (POLYTERPENE/RESIN)

Sl.	Raw Materials	Percent by Weight
1.	Wingtack 95 Polyterpene Resin	47.69
2.	Kraton 1107 Thermoplastic Crumb Rubber	28.66
3.	Dow 276-V2 Resin	23.65

			100.00

Key Properties

Good hot tack and wettability

Excellent shear and peel adhesion

Low volatility

Viscosity stable under prolonged heat

HOT MELT PRESSURE SENSITIVE ADHESIVE (POLYTERPENE/STYRENE-BUTDIENE-STYRENE)

WT1.96

Sl.	Raw Materials	Parts by weight	Percent by weight
1.	ingtack 76 Polyterpene Resin	28	54.90
2.	Styrene/Butadiene/Styrene Block Copolymer	12	23.53
3.	ufflo 6054 Naphthenic Oil	10	19.61
4.	Antioxidant	1	

Physical Constants

Initial Performance:

Rolling Ball tack: 0.2 inch

180 Peel: 48 oz/inch

Dynamic Shear: 35 psi

Aged Performance:

Rolling Ball Tack: 0.2 inch

180 Peel: 51 oz/inch

Dynamic Shear: 39 psi

Key Properties

Excellent adhesive characteristics

Good heat and oxidation stability

Light colour

HOT MELT PRESSURE SENSITIVE ADHESIVE (POLYTERPENE/STYRENE-ISOPRENE-STYRENE/STYRENE-BUTADIENE)

Sl.	Raw Materials	Parts by weight	Percent by weight
1.	Wingtack 95 Polyterpene Resin	35.0	34.48
2.	Pliolite S5-D Styrene-Butadiene Resin	22.5	22.17

3.	Styrene/Isoprene/Styrene Block Copolymer	27.5	27.09
4.	Flexon 766 Extender Oil	15.0	14.78
5.	Butyl Zimate Accelerator	1.5	1.48
		101.5	100.00

Physical Constants

Rolling Ball Tack - Initial: 0.9 inch
Rolling Ball Tack - Aged: 0.5 inch
180Âº Peel - Initial: 46 oz/inch
Temperature to failure (1,000 g/in2): 372ÂºF
Viscosity Change (1.5 hours at 400ÂºF): -7.0%
Viscosity Change (2 hours at 400ÂºF): -10.0%
Colour - Visual: Cream
Colour - Aged 2 Hours at 400ÂºF: Dark Cream

Key Properties

Improvement exhibited by Pliolite S5-D Styrene-Butadiene Resin addition were:

Increased temperature to failure
Increased tack
Less percentage viscosity change
Improved aged colour

HOT MELT PRESSURE SENSITIVE ADHESIVE (POLYTERPENE/ETHYLENE-VINYL ACETATE)

Sl.	Raw Materials	Parts by weight	Percent by weight
1.	M&M 7512 Petrolatum	40	34.78
2.	Elvax 260 Ethylene/Vinyl Acetate Copolymer Resin	30	26.09
3.	Wingtack 95 Polyterpene Resin	30	26.09
4.	Wingtack 10 Polyterpene Resin	15	13.04
		115	100.00

Physical Constants

Brookfield Viscosity (#2/20 RPM) @ 300ÂºF: 2,300 cp
Brookfield Viscosity (#2/20 RPM) @ 325ÂºF: 1,300 cp
Brookfield Viscosity (#2/20 RPM) @ 350ÂºF: 1,000 cp
Softening Point (Ring and Ball): 165ÂºF (74ÂºC)

Key Properties

Lowered molten viscosity with little effect on softening point
Wingtack 10 Polyterpene Resin gives the following properties to the compound:
Increased tack adhesion
Modified shear and peel strength
Helps prevent stringing on hot melt applicators and air bubble formation on roller applicators
Reduced possibility of degradation
Assists in pressure-sensitive properties

HOT MELT PRESSURE SENSITIVE ADHESIVE (RESIN/RUBBER)

Sl.	Raw Materials	Parts by weight	Percent by weight
1.	Kraton 1107 Thermoplastic Crumb Rubber	100	32.79
2.	Escorez 5320 Hydrocarbon Resin	140	45.90
3.	Shellflex 371 Extender Oil	60	19.67
4.	Butyl Zimate Accelerator	5	1.64
		305	100.00

Formulation Note

The Shellflex 371 Extender Oil is added to improved the compatibility and reduce the melt viscosity of the Escorez 5320 Hydrocarbon Resin with the Kraton 1107 Thermoplastic Crumb Rubber. A better compromise between melt viscosity and pressure sensitive adhesive properties might be with less or no Shellflex 371 at all.

Physical Constants

Appearance: Transparent
Brookfield Viscosity @ 350ÂºF (Initial): 14,500 cp
Brookfield Viscosity @ 350ÂºF (Aged 72 hours at 300ÂºF): 10,000 cp
Percent Change in Viscosities: -31%
Rolling Ball Tack: 0.3 inch (Low values desirable)
180Âº Peel Adhesion: 92 oz/inch (12 inches/minute to steel)
20Âº Hold (Â½ inch Ã- Â½ inch Contact Area, 400 gram Load): 63 minutes
178Âº Vertical Hold (Â½ inch Ã- Â½ inch Contact Area, 1,000 gram Load): 1.3 hours

Key Properties

Somewhat higher holding power than comparative aliphatic hydrocarbon resin
Good melt stability upon aging

HOT MELT PRESSURE SENSITIVE ADHESIVE (RESIN/RUBBER)

Sl.	Raw Materials	Parts by weight	Percent by weight

1.	Kraton 1107 Thermoplastic Crumb Rubber	100	44.44
2.	Escorez 5280 Hydrocarbon Resin	120	53.34
3.	Butyl Zimate Antioxidant	5	2.22
		225	100.00

Physical Constants

Brookfield Viscosity @ 350ÂºF: 42,500 cp
Properties of 1.5 mil Adhesive Film on 1.5 mil Polyester film:
Rolling Ball Tack: 2.0 inched (Low values desirable)
Peel Adhesion: 88 ounces/inch (12 inches/minute to steel)
Hold (Â½ inch Ã- Â½ inch Contact Area, 400 gram Load): 740 minutes
178Âº Verticle Hold (Â½ inch Ã- Â½ inch Contact Area, 1,000 gram Load): 30 hours

Key Properties

Excellent compatibility
Very good holding power
Adequate tack rating

HOT MELT PRESSURE SENSITIVE ADHESIVE (RESIN/RUBBER)

Sl.	Raw Materials	Parts by weight	Percent by weight
1.	Kraton 1107 Thermoplastic Crumb Rubber	100	32.79
2.	Escorez 5320 Hydrocarbon Resin	140	45.90
3.	Shellflex 371 Extender Oil	60	19.67
4.	Butyl Zimate Accelerator	5	1.64
		305	100.00

Physical Constants

Brookfield Viscosity @ 350ÂºF: 14,500 cp
Properties of 1.5 mil Adhesive Film on 1.5 mil Polyester film:
Rolling Ball Tack: 0.3 inched (Low values desirable)
180Âº Peel Adhesion: 92 ounces/inch (12 inches/minute to steel)
Hold (Â½ inch Ã- Â½ inch Contact Area, 400 gram Load): 63 minutes
178Âº Verticle Hold (Â½ inch Ã- Â½ inch Contact Area, 1,000 gram Load): 1.3 hours

Key Properties

Soft, relatively low viscosity compound with excellent tack properties

High concentration of oil as a diluent lowers strength or holding power

HOT MELT PRESSURE SENSITIVE ADHESIVE RUBBER/POLYTERPENE /POLYBUTENE/RESIN)

Sl.	Raw Materials	Parts by weight	Percent by weight
1.	Kraton 1107 Thermoplastic Crumb Rubber	100.0	33.22
2.	Wingtack 95 Polyterpene Resin	100.0	33.22
3.	Amoco 18-290 Polyterpene Resin 40.0	13.29	4.
Indopol L-14 Isobutene Polymer	60.0	19.94	5.
Irganox 1010 Antioxidant/Stabilizer	1.0	0.33	

Formulation Note

Other elastomers, besides Kraton 1107, may give excellent results in similar compounds.

Physical Constants

Rolling Ball Tack (PSTC-6): 2.3 cm
Quick Stick Adhesion (PSTC-5): 2.0 lb
Peel Adhesion (PSTC-1): 2.5 lb
Shear Adhesion (Amoco Test): 1.6 sec

Key Properties

Tacky
Strengthened and reinforced compound
Should find application in self-stick floor tiles, speciality tapes and labels and where solvent-free coating provide economic or environmental advantages
Improved rolling ball tack, quick stick adhesion and peel adhesion

HOT MELT PRESSURE SENSITIVE ADHESIVE RUBBER/POLYTERPENE/ POLYBUTENE/RESIN)

Sl.	Raw Materials	Parts by weight	Percent by weight
1.	Kraton 1107 Thermoplastic Crumb Rubber	100.0	38.31
2.	Wingtack 95 Polyterpene Resin	100.0	38.31
3.	Amoco 18-290 Resin	20.0	7.66

4.	Indopol H-1500 Isobutene Polymer	40.0	15.34
5.	Iraganox 1010 Antioxidant/Stabilizer	1.0	0.38
		261.0	100.00

Formulation Note

Other elastomers, besides Kraton 1107, may give excellent results in similar compounds.

Physical Constants

Quick Stick Adhesion (PSTC-5): 5.3 lb

Peel Adhesion (PSTC-1): 10.7 lb

Shear Adhesion (Amoco Test): 37.6 sec

Key Properties

Tacky

Strengthened and reinforced compound

Should find application in self-stick floor tiles, speciality tapes and labels and where solvent-free coatings provide economic or environmental advantages

Improved quick stick adhesion and peel adhesion

Good shear adhesion

HOT MELT PRESSURE SENSITIVE ADHESIVE RUBBER/POLYTERPENE/ POLYBUTENE/RESIN)

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Sl.	Raw Materials	Parts by weight	Percent by weight
1.	Kraton 1107 Thermoplastic Crumb Rubber	100.0	33.22
2.	Wingtack 95 Polyterpene Resin	100.0	33.22
3.	Amoco 18-290 Resin	40.0	13.29
4.	Indopol L-14 Isobutene Polymer	60.0	19.94
5.	rganox 1010 Antioxidant/Stabilizer	1.0	0.33
		301.0	100.00

Formulation Note

Other elastomers, besided Kraton 1107, may give excellent results in similar compounds.

Physical Constants

Rolling Ball Tack (PSTC-6): 2.3 cm

Quick Stick Adhesion (PSTC-5): 2.0 lb
Peel Adhesion (PSTC-1): 2.5 lb
Shear Adhesion (Amoco Test): 1.6 sec

Key Properties

Tacky
Strengthened and reinforced compound
Should find application in self-stick floor tiles, speciality tapes and labels and where solvent-free coatings provide economic or environmental advantages
Improved rolling ball tack, quick sick adhesion and peel adhesion

HOT MELT PRESSURE SENSITIVE ADHESIVE RUBBER/POLYTERPENE/RESIN /POLYBUTENE)

Sl.	Raw Materials	Parts by weight	Percent by weight
1.	Kraton 1107 Thermoplastic Crumb Rubber	100.0	35.59
2.	Wingtack 95 Polyterpene Resin	100.0	35.59
3.	Amoco 18-290 Resin	40.0	14.23
4.	Indopol H-1500 Isobutene Polymer	40.0	14.23
5.	Irganox 1010 Antioxidant/Stabilizer	1.0	0.36
		281.0	100.00

Formulation Note

Other elastomers, besided Kraton 1107, may give excellent results in similar compounds.

Physical Constants

Quick Stick Adhesion (PSTC-5): 4.5 lb
Peel Adhesion (PSTC-1): 12.0 lb
Shear Adhesion (Amoco Test): 32.3 sec

Key Properties

Tacky
Strengthened and reinforced compound
Should find application in self-stick floor tiles, speciality tapes and labels and where solvent-free coatings provide economic or environmental advantages
Improved quick stick adhesion and peel adhesion
Good shear adhesion

HOT MELT PRESSURE SENSITIVE ADHESIVE RUBBER/POLYTERPENE/RESIN /POLYBUTENE)

[tdIrganox 1010 Antioxidant/Stabilizer

Formulation Note

Other elastomers, besided Kraton 1107, may give excellent results in similar compounds.

Physical Constants

Quick Stick Adhesion (PSTC-5): 1.8 lb

Peel Adhesion (PSTC-1): 5.8 lb

Shear Adhesion (Amoco Test): 263.0 sec

Key Properties

Tacky

Strengthened and reinforced compound

Should find application in self-stick floor tiles, speciality tapes and labels and where solvent-free coatings provide economic or environmental advantages

Improved quick sick adhesion and peel adhesion

Excellent shear adhesion

HOT MELT PRESSURE SENSITIVE ADHESIVE RUBBER/POLYTERPENE/RESIN /POLYBUTENE)

Sl.	Raw Materials	Parts by weight	Percent by weight
1.	Kraton 1107 Thermoplastic Crumb Rubber	100.0	39.84
2.	Wingtack 95 Polyterpene Resin	100.0	39.84
3.	Amoco 18-290 Resin	40.0	15.94
4.	Indopol H-100 Isobutene Polymer	10.0	3.98
5.	1.0	0.40	

Sl.	Raw Materials	Parts by weight	Percent by weight
1.	Kraton 1107 Thermoplastic Crumb Rubber	100.0	36.36
2.	Wingtack 95 Polyterpene Resin	100.0	36.36
3.	Amoco 18-210 Resin	50.0	18.19
4.	Indopol H-1500 Isobutene Polymer	20.0	7.27
5.	Ethyl Antioxidant 330	5.0	1.82
		275.0	100.00

Formulation Note

Other elastomers, besided Kraton 1107, may give excellent results in similar compounds.

Physical Constants

Rolling Ball Tack (PSTC-6): 19.3 cm

Peel Adhesion (PSTC-1): 2.4 lb

Shear Adhesion (Amoco Test): 3,309 sec

Key Properties

Tacky

Strengthened and reinforced compound

Should find application in self-stick floor tiles, speciality tapes and labels and where solvent-free coatings provide economic or environmental advantages

Improved rolling ball tack, quick sick adhesion and peel adhesion

Excellent shear adhesion

HOT MELT PRESSURE ADHESIVE (RUBBER/RESIN)

Sl.	Raw Materials	Parts by weight	Percent by weight
1.	Zonarez 7115 Polyterpene Resin	40.0	39.8
2.	Styrene/Isoprene Block Copolymer	60.0	59.7
3.	Antioxidant	0.5	0.5
		100.5	100.00

Formulation Note

Recommended application temperature is 350Âº to 390ÂºF (177Âº to 199ÂºC)

Key Properties

Improved tack and adhesionof pressure-sensitive

Improved flexibility athigh and low temperatures

propereties

Excellent stability

High quality

HOT MELT PRESSURE SENSITIVE ADHESIVE (RUBBER/RESINS)

Sl.	Raw Materials	Parts by weight	Percent by weight
1.	Kraton 1107 Thermoplastic Crumb Rubber	100	32.79
2.	Escorez 5280 Hydrocarbon Resin	100	32.79
3.	Cumar LX-509 Resin	40	13.11

4.	Shellflex 371 Extender Oil	60	19.67
5.	Butyl Zimate Accelerator	5	1.64
		305	100.00

Formulation Note

The Shellflex 371 Extender Oil is added to improve the compatibility and reduce the melt viscosity of the Escorez 5280 Hydrocarbon Resin with the Kraton 1107 Thermoplastic Crumb Rubber. A better compromise between melt viscosity and pressure sensitive adhesive properties might be with less or no Shellflex 371 at all.

Physical Constants

Appearance: Opaque
Brookfield Viscosity @ 350ÂºF (Initial): 11,200 cp
Brookfield Viscosity @ 350ÂºF (Aged 72 hours @ 300ÂºF): 7,500 cp
Percent Change in Viscosities: -33%
Rolling Ball Tack: 0.1 inch (Low values desirable)
180Âº Peel Adhesion: 76 ounces/inch (12 inches/minute to steel)
20Âº Hold (Â½ inch Ã- Â½ inch Contact Area, 400 gram Load): 52 minutes
178Âº Vertical Hold (Â½ inch Ã- Â½ inch Contact Area, 1,000 gram Load): 1.3 hours

Key Properties

Somewhat higher holding power than comparative aliphatic hydrocarbon resin
Good melt stability upon aging

HOT MELT LOW-COST PRESSURE SENSITIVE ADHESIVE POLYPROPYLENE/ RESIN/POLYBUTENE)

Sl.	Raw Materials	Percent by Weight
1.	Polytac R-1000 Amorphous Polypropylene	70.0
2.	Escorez 1315 Hydrocarbon Resin	20.0
3.	Indopol H-300 Isobutene Polymer	10.0

Physical Constants

Brookfield Viscosity @ 340ÂºF: 3,000 cp
Softening Point (Ring and Ball): 295ÂºF

Key Properties

Relatively low cost
Low odour

HOT MELT LOW-COST PRESSURE SENSITIVE ADHESIVE POLYPROPYLENE/ RESIN)

Sl.	Raw Materials	Percent by Weight
1.	Polytac R-1000 Amorphous Polypropylene	60.0

2.	Escorez 1315 Hydrocarbon Resin	40.0
		100.0

Key Properties

Superior bonding strength

No delamination after 24 hours at 140ÂºF

Relatively low cost

Low odour

HOT MELT SPRAYABLE PRESSURE SENSITIVE ADHESIVE POLYTERPENE/ STYRENE-ISOPRENE-STYRENE/STYRENE-BUTADIENE)

Sl.	Raw Materials	Parts by weight	Percent by weight
1.	Wingtack 95 Polyterpene Resin	40.0	39.41
2.	Pliolite S5-D Styrene-Butadiene Resin	12.5	12.32
3.	Process Oil	20.0	19.70
4.	Styrene/Isoprene/Styrene Block Copolymer	27.5	27.09
5.	Butyl Zimate Accelerator	1.5	1.48
		101.5	100.00

Formulation Notes

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NIIR PROJECT CONSULTANCY SERVICES

106-E, Kamla Nagar, New Delhi-110007, India.

Tel: 91-11-23843955, 23845654, 23845886, +918800733955

Mobile: +91-9811043595

Email: npcs.ei@gmail.com ,info@entrepreneurindia.co

Website: www.entrepreneurIndia.co