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RESIGUM SH-85

A HIGHLY STABILIZED AND HYDROGENATED ROSIN ESTER FOR COATINGS AND ADHESIVES

RESIGUM SH-85 is a hydrogenated rosin ester, exceptionally pale thermoplastic that has outstanding resistance to oxidation and discoloration caused by heat and aging. RESIGUM SH-85 can be used as a tackifier resin in various types of adhesives and in protective and barrier-type coatings that require an exceptional degree of color retention and oxidation resistance.

PRODUCT SPECIFICATIONS:

Acid Number.....10 Max.
Softening Point (Ring & Ball)75-85°C (167-185°F).
Color G'33 (50% Toluene).....5 Max.
Color USDA Scale.....X
Gardner-Holdt Viscosity (60% Solids solution in Mineral Spirits).....A₁ - B.

TYPICAL PROPERTIES:

Acid Number.....7.
Softening Point (Ring & Ball)79°C (174°F)
Color G'33 (50% Toluene).....3 (+).
Color USDA Scale.....XB.
Gardner-Holdt Viscosity (60% Solids solution in Mineral Spirits).....A₁ - B.

COMPATIBILITIES / SOLUBILITIES:

Compatible at all ratios, or in limited but practically useful proportions, with related resins, waxes, and plasticizers, with natural and synthetic rubbers, nitrocellulose, ethylcellulose, and with ethylene/vinyl acetate copolymers and with SBR.

Soluble in esters, ketones, higher alcohols, glycol ethers, and aliphatic, aromatic and chlorinated hydrocarbons. Insoluble in ethanol and water.

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Technical department

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TYPICAL USES:

Its inherently high oxidation resistance, RESIGUM SH-85 along with outstanding color stability and tack retention has led to its wide acceptance in hot-melt pressure sensitive adhesives and in adhesives for lamination of metal foil paper, cloth, cellophane and cellulose acetate films.

AVAILABLE FORMS:

Solid in galvanized (light-gauge metal) drums (225 kgs. or 496 lbs., net weight), pastilles in polyethylene bags or multi-wall paper bags (25 kgs. or 55 lbs., net weight).

PRODUCT SAFETY:

A Material Safety Data Sheet, should be obtained prior to use of this product.

STORAGE AND INVENTORY CONTROLS:

If this material is stored near heat sources or outside warehouses in hot weather, it may fuse. Oldest material should always be used first. Oxidation will cause darkening and adverse effects on resin properties. Control of inventory must be observed at all times.

FDA STATUS:

RESIGUM SH-85 complies with the requirements of the FDA (U.S. Food and Drug Administration) to be used in contact with, food packaging and food process operations, in title 21.

This information and suggestions herein are based upon our experience and data believed to be reliable. No warranty or guarantee is made as to accuracy or completeness. It is the user's responsibility to determine the suitability and completeness of this information for the particular use. Since application conditions are beyond our control, we can not guarantee results.

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