TECHNICAL DATA SHEET

SYNTHOMER™ Ester Gum 8L-M Resin

Synthomer™ Ester Gum 8L-M Resin is a thermoplastic glycerol ester of gum rosin with very low color and acid number, especially designed to be used in the adhesive industry for the production of hot melt adhesives. The special production process used for this resin permits the production of a product with high oxidation resistance, excellent color retention and minimal odor.

- Good color stability
- Good oxidation resistance
- Low color
- Low odor
- Low acidity
- Medium softening point

For further information regarding this product please refer to:

Synthomer Adhesive Technologies

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Property	Typical Value	Unit	Method[1]
Ring and Ball Softening Point	84	°C	ASTM E 28
Color, Gardner	3		ASTM D 6166, 50% solids in xylene
Appearance	Crystalline Solid		
Description, Base Resin	Rosin		
Acid Number	8	mg KOH/g	ASTM D 465

[1] internal method based upon the specified norm

Applications

Adhesives, Labels, Packaging, Tapes, Wax Modification, Other adhesives

Compatibility and Solubility

Synthomer™ Ester Gum 8L-M is compatible at all ratios, or in limited but practically useful proportions with other resins, waxes and plasticizers; with natural and synthetic rubbers, chlorinated rubber, and ethylcellulose; with EVA (ethylene-vinyl acetate) copolymers and low molecular weight polyethylene; with SIS (styrene-isoprene-styrene) and SBS (styrene-butadiene-styrene) block copolymers; with APAO (amorphous poly-alphaolefins) and other polyolefins; with acrylic resins; with certain polyamide resins and polyurethane compounds; and with PVP (polyvinylpyrrolydone), polyvinylbutyral, nitrocellulose, drying oils and alkyd resins.
Soluble in esters, ketones, higher alcohols, glycol ethers, aliphatic hydrocarbons, aromatic hydrocarbons, chlorinated hydrocarbons. It is insoluble in methanol, ethanol and water.

Packaging

Synthomer™ Ester Gum 8L-M Resin is packaged in polyethylene bags of 25 kgs. net weight, in lumps. It is manufactured and shipped from the Synthomer Mexico site in Uruapan Michoacán, Mexico.

Storage

The form of the product is in small, crushed lumps packaged in a polyethylene bag. Since its softening temperature is relatively low, there is a tendency toward remassing, fusion or agglomeration under conditions of: 1) ambient temperature >30°C; 2) storage near heat sources; 3) prolonged storage; 4) stacking more than 2 pallets high, of any combination of these. Because of the large surface area present in the small particles, the product is susceptible to gradual oxidation which, in severe cases, can cause darkening and/or alteration of the solubility in organic solvents and/or the compatibility with other polymers. For this reason, it is strongly recommended that a strict control of inventory be observed, always using the oldest material first, storing in temperature-controlled conditions, and that stacks be limited to two pallets maximum. Synthomer™ Ester Gum 8L-M is estimated to remain within product Sales Specifications for a period of 6 months from production date if storage conditions outlined in this data sheet are observed. However, as we can neither anticipate the conditions under which the resin is processed nor the end use applications for which is used, we recommend that the

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material be tested upon receipt.

Comments

Properties reported here are typical of average lots. Synthomer makes no representation that the material in any particular shipment will conform exactly to the values given.

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