

Technical Data Sheet

Eastman™ Ester Gum 8L-M Resin

Applications

- Adhesives/sealants-b&c
- Bookbinding
- Caps & lids non-food contact
- Carpet construction
- Case & carton sealing closings
- Commerical printing inks
- Film modification
- Labels non food contact
- Packaging component films
- Packaging components non food contact
- Packaging tape
- Paints & coatings
- Polymer modification
- Protective coatings
- Road markings
- Roofing ingredients
- Solder flux
- Specialty tape
- Tape non food contact
- Tires
- Wax ingredients
- Wire/cable

Key Attributes

- Good color stability
- Good oxidation resistance
- Low color
- Low odor

Product Description

Eastman™ 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.

Typical Properties

Property	Test Method	Typical Value, Units
General		
Ring and Ball Softening Point	ASTM E 28	84 °C
Color, Gardner ^a		2-3
Acid Number (mg KOH/g)		7
Appearance		Crystalline Solid
Description, Base Resin		Rosin

^a50% resins solids in toluene or xylene

Compatibility and Solubility

Is compatible with EVA copolymers, polychloroprene, pure phenolic resins, SBR, acrylic polymers, natural and synthetic rubber, waxes, drying oils, other rosin derivatives, paraffin and chlorinated paraffin. It is soluble in esters, ketones, aliphatic hydrocarbons, aromatics and chlorinated solvents. It is insoluble in water, methanol and ethanol.

Packaging

Eastman™ Ester Gum 8L-M Resin is packaged in polyethylene bags of 25 kgs. net weight, in lumps.

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 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, and that stacks be limited to two pallets maximum. The shelf life of this product is estimated at 6 months from the date of receipt.

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2/28/2018 11:35:39 AM

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