

Technical Data Sheet

Pentalyn™ 750 HV-M Rosin Resin

Applications

- Adhesives/sealants-b&c
- Carpet construction
- Commerical printing inks
- Film modification
- Paints & coatings
- Polymer modification
- Protective coatings
- Road markings
- Roofing ingredients
- Solder flux
- Tires
- Wax ingredients
- Wire/cable

Key Attributes

- Excellent gloss
- Good release of solvents
- High viscosity

Product Description

Pentalyn™ 750 HV-M rosin resin is a phenolic modified resin ester with high viscosity, excellent gloss and good release of solvents, which makes it recommendable mainly for rotogravure inks in aromatic solvents.

Typical Properties

Property	Test Method	Typical Value, Units
General		
Ring and Ball Softening Point	ASTM E 28	159 °C
Color, Gardner ^a		<10
Acid Number (mg KOH/g)		20
Gardner Viscosity (50 % in Xylene)		V-W
Appearance		Crystalline Solid
Description, Base Resin		Gum Rosin, phenolic modified pentaerythritol ester

^a50% resins solids in toluene or xylene

Compatibility and Solubility

This resin is compatible with tall oil alkyd resins and other rosin-based resins, chlorinated rubber and cosolvent polyamides. Pentalyn™ 750 HV-M rosin resin is soluble in aromatic solvents and insoluble in aliphatic solvents and alcohols.

Storage

The large contact surface the pieces of resin present make them susceptible to gradual oxidation, which can be more advanced in some batches than others. This can cause darkening and/or affect the resin's solubility in organic solvents. Therefore, we strongly recommend keeping strict control of inventories at all times, and taking special care to ensure that the oldest material is used first. We suggest a shelf life of 1 year for this product.

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