

Technical Data Sheet

Pentalyn™ 770-M 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

- Good gelling
- High viscosity
- Low solubility in mineral oils

Product Description

Pentalyn™ 770-M resin is a phenolic modified rosin ester, which offers high viscosity and low solubility in mineral oils. Pentalyn™ 770-M resin also offers good gelling and is ideal for lithographic printing or offset inks in Quick-Set systems or as modifying resin Heat-Set and Flushing, designed for modern high-speed printing equipment.

Typical Properties

Property	Test Method	Typical Value, Units
General		
Ring and Ball Softening Point	ASTM E 28	159 °C
Color, Gardner ^b		<10
Acid Number (mg KOH/g)		20
Gardner Viscosity (60 % in Xylene)		Z3-Z4
Precipitation Temperature ^a in Magie Oil 470 at 30 %		60 °C
Appearance		Crystalline Solid
Description, Base Resin		Gum Rosin, phenolic modified pentaerythritol ester

^aMagie Oil 470 is a trademark of Magie Bros.

^b50% resins solids in toluene or xylene

Compatibility and Solubility

Compatible with vegetable oils, tall oil alkyd resins, hydrocarbonaceous resins and other rosin based resins. It has partial solubility in mineral oils, soluble in aromatic solvents (Toluene, Xylene) and partial solubility in aliphatic solvents (Gas-naphtha, gas solvent). This resin is insoluble in 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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