

Technical Data Sheet

Pentalyn™ 670-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

- Compatible with acrylic resins
- Compatible with nitrocellulose

Product Description

Pentalyn™ 670-M resin is a partially esterized fumaric adduct of rosin, designed mainly for application in rotogravure inks, with modified RS nitrocellulose.

Typical Properties

Property	Typical Value, Units
General	
Color, Gardner ^a	<10
Acid Number (mg KOH/g)	176
Gardner Viscosity (60 % Ethanol)	F>
Appearance	Crystalline Solid
Description, Base Resin	Gum Rosin-fumaric acid modified pentaerythritol ester

^a50% resins solids in toluene or xylene

Compatibility and Solubility

Pentalyn™ 670-M resin is compatible with acrylic resins and SS Nitrocellulose. It is incompatible with polyamides. This resin is soluble in alcohols (Ethyl, Isopropyl, etc., partially soluble in aromatic solvents (Toluene, Xylene) and insoluble in aliphatic solvents (Gas naphtha, gas solvent). Pentalyn™ 670-M resin is also soluble in diethylenglycol.

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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