

Technical Data Sheet

Pentalyn™ 601-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

- Alcohol-soluble
- Dispersable in water and amine water
- Hard
- Moderate acidity

Product Description

Pentalyn™ 601-M resin is a fumaric adduct of rosin, partially esterized to obtain hardness and moderate acidity, which makes it dispersible in ammonia or amine water. The resin is also soluble in alcohol. This resin is primarily used in waterbased flexographic inks.

Typical Properties

Property	Typical Value, Units
General	
Color, Gardner ^a	<10
Acid Number (mg KOH/g)	110
Gardner Viscosity (60 % Ethanol)	R-S
Appearance	Crystalline Solid
Description, Base Resin	Gum Rosin-fumaric acid modified pentaerythritol ester

^a50% resins solids in toluene or xylene

Compatibility and Solubility

Pentalyn™ 601-M resin is compatible with acrylic resins and SS nitrocellulose. It is incompatible with polyamides. This resin is completely dispersible in ammonia water and partially soluble in diethylene glycol, fully soluble in alcohols and insoluble in aliphatic and aromatic solvents.

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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