

Technical Data Sheet

Pentalyn™ 710-M Resin

Applications

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

Product Description

Pentalyn™ 710-M resin is a phenolic modified rosin ester, which offers low viscosity and low solubility in mineral oils. Its properties make it especially recommendable for lithographic inks or offset high brightness inks in quick set systems, or as modifier resin in heat set and flushing.

Typical Properties

Property	Typical Value, Units
General	
Description, Base Resin	Phenolic Modified Rosin
Acid Number (mg KOH/g)	19
Ring and Ball Softening Point	148 °C
Viscosity, Gardner ^b	Y-
Color, Gardner ^a	9+
Precipitation Temperature in Magie Oil 470 at 20%	95 °C
Appearance	Crystalline solid

^a50% resins solids in toluene or xylene

^b60% solids in xylene

Compatibility and Solubility

Pentalyn™ 710-M is compatible with vegetable oils, hydrocarbon resins and other gum rosin resins.

Pentalyn™ 710-M resin 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.

Packaging

Pentalyn™ 710-M is packaged in 25 kgs polyethylene bags, shipped from Eastman's facilities in Uruapan Michoacán in Mexico.

Storage

Pentalyn™ 710-M resin is provided in pieces which may fuse, block or lump under any of the following conditions: (1) In hot weather climates (2) if stored near steam pipes or other sources of heat; (3) Upon prolonged storage; 4) Placing in very high piles or the combination o them. Storage at temperature above 30°C should be avoided. Inside storage in a temperature-controlled area is necessary in order to prevent problems.

Resins are prone to gradual oxidation, some more so than others. This could result in darkening and/or it could have an adverse affect on the solubility of the resin in organic solvents or in its compatibility with polymers. Accordingly, it is recommended that strict control of inventory be observed at all times, taking care that the oldest materials is used first.

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