



Product Data Sheet

Pentalyn[®] G

Resin

Number 4287

Product Description and Use

Pentalyn[®] G resin, a hard, pale amber, thermoplastic resin, is a maleic-modified pentaerythritol ester of wood rosin. Because of its hardness, aliphatic hydrocarbon solubility, good pigment wetting ability, and gloss promotability, it is a highly suitable resin component of printing ink vehicles, soft oil-based paints and varnishes, and specialty adhesives and sealants.

Applications

- Lithographic inks
- Flushing colors and resin-bonded pigments
- Varnishes based on soft drying oils such as linseed and dehydrated castor
- Component in oil-modified phthalic alkyd coatings
- Adhesives, particularly rubber-based solvent cements where high bonding strength, but minimal dry tack, is desired

Benefits

- Excellent pigment wetting
- Good solubility and compatibility
- Pale color
- Good color retention
- High gloss
- Adhesion

General Sales Specifications

Softening Point, Pinova drop method, °C	130-140
Color, USDA rosin scale, maximum	N
Acid Number, maximum	16
60% solids solution in mineral spirits:	
- Viscosity at 25 °C , Gardner-Holdt	T-X
- Color, Gardner, maximum.....	11

Typical Properties

Softening Point, Pinova drop method, °C	136
Acid Number	14
Linseed oil dispersion viscosity (LODV)	X+
Refractive index at 20 °C	1.544
Density at 25 °C, lb/gal (kg/l)	9.1 (1.09)

Packaging

<u>Package</u>	<u>Form</u>	<u>Net Weight</u>
Drum, galvanized	Solid	500 lbs, 226.8 kgs

Regulatory/Classifications

CAS No.	68333-69-7	US DOT: Not regulated
US FDA:	21 CFR 175.105	21 CFR 176.210
	21 CFR 175.125(b)	21 CFR 177.1200
	21 CFR 175.300	21 CFR 177.1210
	21 CFR 175.320	21 CFR 177.1400
	21 CFR 175.380	21 CFR 177.2600
	21 CFR 175.390	21 CFR 178.3120
	21 CFR 176.170	21 CFR 178.3800
	21 CFR 176.180	21 CFR 178.3850
	21 CFR 176.200	21 CFR 178.3870

Other regulatory information available on request.

Storage and Inventory Control

Pastillated or flaked resins may fuse, block, or lump during hot weather months, if stored near sources of heat, if double or triple stacked, or if stored for prolonged periods of time. These forms of resin are prone to gradual oxidation, some more so than others. This could result in darkening and/or could have an adverse effect on solubility in organic solvents. Care should be given to minimize opportunities for product oxidation throughout processing. Accordingly, it is strongly recommended that proper storage conditions and strict control of inventory be observed at all times, taking care that the oldest material is used first.

Product Safety

Read and understand the Material Safety Data Sheet before using this product.

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