

PERMALYN™ 506-M

Synthetic Resin



PERMALYN™ 506-M is a pale, medium-hard, thermoplastic glycerol ester of rosin. It is produced by means of a steam stripping process that yields a low-odor resin. These and other outstanding properties make it particularly useful in Hot Melt adhesives, solvent borne adhesives and wax modification.

- Low acidity and low odor
- Medium softening point
- Wide solubility and compatibility range.
- Provides high tack

For further information regarding this product please refer to:

Synthomer Adhesive Technologies

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| Property | Typical Value | Unit | Method ¹ |
|-------------------------------|-------------------|----------|----------------------------------|
| Ring and Ball Softening Point | 85 | °C | ASTM E 28 |
| Color, Gardner | 4+ | | ASTM D 1666, 50% resin in xylene |
| Acid Number | 6 | mg KOH/g | ASTM D 465 |
| Appearance | Crystalline Solid | | |

¹ internal method based upon the specified norm

Applications

Adhesives, Labels, Other adhesives , Tapes, Wax Modification, Packaging

Compatibility and Solubility

PERMALYN™ 506-M is compatible to all ratios, or in limited but practically useful portions with other resins, waxes and plasticizers; with natural and synthetic rubbers, chlorinated rubber, and ethylcellulose; with EVA (ethylene-vinyl acetate) copolymers and low molecular weight polyethylene; with SIS (styrene-isoprene-styrene) and SBS (styrene-butadiene-styrene) block copolymers; with APAO (amorphous poly-alphaolefins) and other polyolefin polymers; with acrylic resins; with certain polyamide resins and polyurethane compounds; and with PVP (polyvinylpyrrolidone), polyvinylbutyral, nitrocellulose, drying oils and alkyd resins.

Soluble in esters, ketones, higher alcohols, glycol ethers, aliphatic hydrocarbons, aromatic hydrocarbons, chlorinated hydrocarbons. It is insoluble in methanol, ethanol and water.

Packaging

PERMALYN™ 506-M is packaged in 25 Kgs multiwall paper bags in lumps. It is manufactured and shipped from the Synthomer Mexico site in Uruapan Michoacán, Mexico.

Storage

The resin is provided in lumps which may fuse or block under any of the following conditions: 1) in hot weather climate 2) if stored near steam pipes or other sources of heat; 3) upon prolonged storage; 4) storage in stacks more than three pallets high, or in any combination of these conditions. Storage at temperature above 30°C should be avoided as these conditions will greatly accelerate the fusion of the product. Inside storage in a temperature-controlled area is recommended to minimize product fusion.

Resins are prone to gradual oxidation, some more so than others. This could result in darkening and/or it could have an adverse effect 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 always, taking care that the oldest material is used first.

PERMALYN™ 506-M will remain within product Sales Specifications for a period of 6 months from production date and if storage conditions outlined in this data sheet are observed. However, as we can neither anticipate the conditions under which the resin is processed nor the end use applications for which is used, we recommend that the material be tested upon receipt.

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Comments

Properties reported here are typical of average lots. Synthomer makes no representation that the material in any particular shipment will conform exactly to the values given.