

Metalyn™ 200 Methyl Ester of Rosin

Metalyn™ 200 methyl ester of gum rosin, a resinous plasticizer derived from rosin, is an amber-colored, tacky, viscous liquid. These physical properties, together with its wide compatibility, make it useful in a variety of applications, including lacquers, inks, adhesives, plastics, paper coatings and varnishes.

- Alcohol-soluble
- Compatible and miscible with a wide variety of materials
- Excellent surface wetting and adhesion properties
- Liquid plasticizer and tackifier
- Low vapor pressure

Property	Typical Value	Unit	Method ¹
Description, Base Resin	Methyl Ester of Gum Rosin		
Ring and Ball Softening Point	liquid		ASTM E 28
Color, Gardner	4 neat		ASTM D 6166
Acid Number	5	mg KOH/g	ASTM D 465
Saponification Number	160	mg KOH/g	
Viscosity, Brookfield at 25°C	5642	cP (mPa·s)	
Flash Point (Cleveland Open Cup)	>170	°C	

¹ internal method based upon the specified norm

Applications

Caulks and Sealants, Roadmarking, Packaging specialities, Carpet, Additives, Packaging Inks, Correction fluids, Labels, Tapes, Metal coatings, Protective films, Asphalt and Road Construction, Waterproofings, Other adhesives, Speciality tapes, Tire components, Wire and cable

Compatibility and Solubility

Compatible at all ratios, or in limited but practically useful proportions, with nitrocellulose, block copolymers, EVA (ethylene vinyl-acetate) copolymers, natural and synthetic resins and rubbers, asphalt, waxes, chlorinated rubber, polyvinyl chloride, vinyl acetate-chloride copolymers, polyvinyl ethers, and such water-soluble film-formers as casein and starch. Incompatible with cellulose acetate. Soluble in esters, ketones, alcohols, ethers, coal tar, petroleum hydrocarbons, and vegetable and mineral oils. Insoluble in water.

Packaging

Metalyn™ 200 methyl ester of rosin is supplied in open-head steel drums, on pallets containing 4 drums each, from Synthomer production facilities in the Netherlands and from warehouses located in Europe.

Storage

Inside storage is recommended. Storage at temperatures above 30°C should be avoided. 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 on its compatibility with polymers. Accordingly, it is recommended that strict control of inventory be observed at all times, taking care that the oldest material is used first. Metalyn™ 200 methyl ester of rosin material will remain within product specification limits for a period of at least twelve months after shipment from Synthomer production facilities in the Netherlands, provided 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 it 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.