

ABALYN™ D-E Methyl Ester of Rosin

ABALYN™ D-E methyl ester of gum rosin, is an amber-colored, near-neutral, tacky, viscous liquid. It is resinous in nature with clarity and high refractive index, low vapor pressure, high boiling point, and good thermal stability. It has excellent surface-wetting properties. These physical properties, plus its wide compatibility, make it useful in a variety of applications, including lacquers, inks, paper coatings, varnishes, adhesives, sealing compounds, plastics and wood preservatives. To assure minimum odor of products in which it is used, it is given a special steam sparging treatment.

- Alcohol-soluble
- Excellent perfume fixative
- Excellent surface wetting and adhesion properties
- Excellent wood preservative
- Insoluble in water
- Liquid tackifier and plasticizer resin for a wide variety of raw materials and polymers

For further information regarding this product please refer to:

Synthomer Adhesive Technologies

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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, neat resin	4		ASTM D 6166
Acid Number	5	mg KOH/g	ASTM D 465
Saponification Number	158	mg KOH/g	
Density at 25°C	1.04	kg/dm ³	
Viscosity at 25°C	5170	cP	Brookfield, spindle 31
Refractive Index at 20°C	1.5300		
Flash Point	>170	°C	

¹ internal method based upon the specified norm

Applications

Adhesives, Agricultural, Caulks and Sealants, Assembly, Packaging specialities, Carpet, Packaging, Graphic inks, Film Modification, Labels, Tapes, Plastic Modification, Other coatings, Roadmarking, Roofing, 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, ethylcellulose, chlorinated rubber, and most other film-formers; with water-soluble film-formers such as starch, casein, and glue; with natural and synthetic rubbers, natural and synthetic resins, waxes, and asphalt. Incompatible with cellulose acetate and polyvinyl acetate.

Soluble in esters, ketones, alcohols, ethers, coal tar, petroleum hydrocarbons, and vegetable and mineral oils. Insoluble in water.

Solubility Parameters, 50% resin concentration: 7.0-11.1 in Class I solvents - weakly hydrogen-bonded; 7.4-12.0 in Class II solvents - moderately hydrogen-bonded; 9.5-12.7 in Class III solvents - strongly hydrogen-bonded.

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Packaging

ABALYN™ D-E methyl ester of rosin is supplied in 200 kg 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 and "first in first out" inventory control is recommended. Recommended storage: in original packaging, dry, free from contamination, below 30°C.

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.

Shelf life: ABALYN™ D-E methyl ester of rosin material will remain within product specification limits for a period of at least twelve months after shipment from Synthomer's production facilities in the Netherlands, provided recommended storage conditions 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.

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.