

SYLVALITE™ 2100 Rosin Ester

PRODUCT DATA SHEET

SYLVALITE 2100 rosin ester is a stabilized pentaerythritol ester of tall oil rosin, which exhibits low colour and good colour stability. This resin is compatible with a broad range of polymers, which enables formulation flexibility in various hot melt and solvent based adhesive applications.

FEATURES

- Provides excellent adhesion to a variety of substrates
- Light colour
- Thermally stable
- Broad compatibility
- Low volatility at elevated temperatures
- SYLVALITE 2100 rosin ester contains 97% USDA certified biobased content

POTENTIAL APPLICATIONS

- Packaging
- PSA tapes & labels
- Non-woven
- Woodworking
- Bookbinding
- Product assembly

SALES SPECIFICATIONS

Property	Test Method*	Specification	Typical Value
Softening Point (°C)	AQCM 003	97 – 102	99
Acid Number (mg KOH/g)	AQCM 001	Max 10	5
Colour, Gardner, 1:1 in Toluene	AQCM 002	Max 2.0	0.9
*Kraton test methods are available upon request			

TYPICAL VALUES

Property	Test Method*	Typical Value
Viscosity, Brookfield, at 125 °C (mPa·s or cP)	AQCM 004	10240
Viscosity, Brookfield, at 150 °C (mPa·s or cP)	AQCM 004	966
Viscosity, Brookfield, at 177 °C (mPa·s or cP)	AQCM 004	180
Glass Transition Temperature (°C)	AQCM 218	47
*Kraton test methods are available upon request		

<p>SOLUBILITY</p>	<p>SYLVALITE™ 2100 rosin ester is soluble in:</p> <ul style="list-style-type: none"> - Aromatic/aliphatic solvents, such as hexane and toluene - Esters and ketones, such as ethyl acetate and acetone - Long chain alcohols, such as pentanol
<p>COMPATIBILITY</p>	<p>SYLVALITE 2100 rosin ester is compatible with:</p> <ul style="list-style-type: none"> - Ethylene Vinyl Acetate (EVA) - Ethylene n-Butyl Acrylate (EnBA) - Styrene-Isoprene-Styrene (SIS) - Styrene-Butadiene-Styrene (SBS) - SB Rubber - Natural rubber - Acrylic polymers
<p>PACKAGING</p>	<p>SYLVALITE 2100 rosin ester is available in pastille form in bags, 25 kg net weight, or in bulk bags, 1000 kg net weight. It is also available as bulk molten material.</p>
<p>STORAGE RECOMMENDATION</p>	<p>It is recommended that SYLVALITE 2100 rosin ester be stored dry and below 30°C / 86°F. To prevent remassing, keep away from direct sun light or other sources of heat. Product stored or transported at higher temperatures or product stored for prolonged periods should be evaluated for impact on quality and performance before use.</p>



The USDA Certified Biobased Product label is a certification mark of the U.S. Department of Agriculture.

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