

## SYLVALITE™ RE 100F Rosin Ester

### PRODUCT DATA SHEET

SYLVALITE RE 100F rosin ester is a stabilized pentaerythritol ester of Tall Oil Rosin. SYLVALITE RE 100F exhibits low color and good color 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 good specific adhesion to a variety of substrates
- Light color
- Broad compatibility
- Low volatility at elevated temperatures
- Thermally stable

#### POTENTIAL APPLICATIONS:

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

### SALES SPECIFICATIONS

Property	Test Method*	Specification	Typical Value
Softening Point (°C)	AQCM 003	97 – 103	100
Color (Gardner, 1:1 toluene)	AQCM 002	Max. 4	2.4
Acid Number (mg KOH/g)	AQCM 001	2 - 8	5

\*Kraton test methods are available upon request

### TYPICAL PROPERTIES

Property	Test Method*	Typical Value
Glass Transition Temperature (°C)	AQCM 218	52
Viscosity, Brookfield (125°C), cps.	AQCM 004	14797
Viscosity, Brookfield (150°C), cps.		1192
Viscosity, Brookfield (177°C), cps.		200

\*Kraton test methods are available upon request

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<b>SOLUBILITY</b>	SYLVALITE RE 100F rosin ester is soluble in: <ul style="list-style-type: none"> <li>- Aromatic and aliphatic solvents like hexane &amp; toluene</li> <li>- Esters and ketones like ethyl acetate and acetone</li> <li>- Long chain alcohols like butanol and pentanol</li> </ul>
<b>COMPATIBILITY</b>	SYLVALITE RE 100F rosin ester is compatible with: <ul style="list-style-type: none"> <li>- Ethylene Vinyl Acetate (EVA)</li> <li>- Ethylene Butyl Acrylate (EBA)</li> <li>- Styrene-Isoprene-Styrene (SIS)</li> <li>- Styrene-Butadiene-Styrene (SBS)</li> <li>- SB rubber</li> <li>- Natural rubber</li> <li>- Acrylic polymers</li> </ul>
<b>PACKAGING</b>	SYLVALITE RE 100F rosin ester is available in pastilles form in 25 kg, 500kg and 1000kg bags. It is also available as bulk molten material.
<b>STORAGE RECOMMENDATION</b>	To preserve product quality, storage and transit dry and below 30°C / 86°F is recommended. To prevent remassing, keep away from direct sun light or other sources of heat. Prolonged storage, especially at temperatures higher than ambient (20 °C / 68 °F), should be avoided due to potential effects on performance.

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