

SYLVALITE™ RE 100L Rosin Ester

PRODUCT DATA SHEET

SYLVALITE RE 100L rosin ester is a stabilized pentaerythritol ester of Tall Oil Rosin. SYLVALITE RE 100L 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	96 - 102	98
Color (Gardner, neat)	AQCM 002	Max. 5	4-
Acid Number (mg KOH/g)	AQCM 001	Max. 15	10

*Kraton test methods are available upon request

TYPICAL PROPERTIES

Property	Test Method*	Typical Value
Glass Transition Temperature (°C)	AQCM 218	48
Viscosity, Brookfield (125°C), cps.	AQCM 004	11800
Viscosity, Brookfield (150°C), cps.		955
Viscosity, Brookfield (177°C), cps.		150

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SOLUBILITY	<p>SYLVALITE RE 100L rosin ester is soluble in:</p> <ul style="list-style-type: none"> - Aromatic and aliphatic hydrocarbon solvents, like hexane and toluene - Esters and ketones, such as ethyl acetate and acetone - Long chain alcohols, such as butanol and pentanol
COMPATIBILITY	<p>SYLVALITE RE 100L rosin ester is compatible with:</p> <ul style="list-style-type: none"> - Ethylene Vinyl Acetate (EVA) - Ethylene Butyl Acrylate (EBA) - Styrene-Isoprene-Styrene (SIS) - Styrene-Butadiene-Styrene (SBS) - SB Rubber - Natural rubber - Acrylic polymers
PACKAGING	<p>SYLVALITE RE 100L rosin ester is available in flaked or pastille form in multi-wall bags, 50 lb. net or in bulk bags 2000 lb. net weight. It is also available as bulk molten material.</p>
STORAGE RECOMMENDATION	<p>Although flaked and pastillated SYLVALITE RE 100L rosin ester provides excellent shelf stability compared with other resins, prolonged storage, especially at temperatures higher than ambient, should be avoided due to potential effects on performance. 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.</p>

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