

SYLVALITE™ RE 100S Rosin Ester

PRODUCT DATA SHEET

SYLVALITE RE 100S rosin ester is a stabilized pentaerythritol ester of Tall Oil Rosin. SYLVALITE RE 100S 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 – 102	98
Color (Gardner, 1:1 toluene)	AQCM 002	Max. 3	1.9
Acid Number (mg KOH/g)	AQCM 001	Max. 10	5

*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	9920
Viscosity, Brookfield (150°C), cps.		940
Viscosity, Brookfield (177°C), cps.		173

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SOLUBILITY	SYLVALITE RE 100S is soluble in: <ul style="list-style-type: none"> - Aromatic/ aliphatic solvents like hexane & toluene - Esters and ketones like ethyl acetate and acetone - Long chain alcohols like butanol and pentanol
COMPATIBILITY	SYLVALITE RE 100S is compatible with: <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	SYLVALITE RE 100S is available in pastille form in 25 kg, 500 kg and 1000kg bags. It is also available as bulk molten material.
STORAGE RECOMMENDATION	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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