

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
- Does not contain microplastic¹
- SYLVALITE RE 100F rosin ester contains 97% USDA certified biobased content

POTENTIAL APPLICATIONS:

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

¹Material is not a polymer according to REACH definition, therefore not a microplastic under proposed ECHA restriction

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

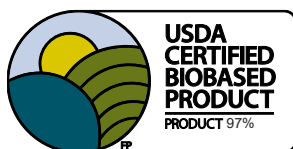
Property	Test Method*	Typical Value
Glass Transition Temperature (°C)	AQCM 218	52
Viscosity, Brookfield at 125°C (mPa·s or cP)	AQCM 004	14797
Viscosity, Brookfield at 150°C (mPa·s or cP)		1192
Viscosity, Brookfield at 177°C (mPa·s or cP)		200

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SOLUBILITY	SYLVALITE™ RE 100F rosin ester is soluble in: <ul style="list-style-type: none"> - Aromatic and aliphatic solvents e.g., hexane & toluene - Esters and ketones e.g., ethyl acetate and acetone - Long chain alcohols e.g., butanol and pentanol
COMPATIBILITY	SYLVALITE RE 100F rosin ester 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 100F rosin ester is available in pastilles form in 25 kg, 500kg and 1000kg bags. It is also available as bulk molten material.
STORAGE RECOMMENDATION	It is recommended that SYLVALITE RE 100F rosin ester be stored and transported dry and below 30°C / 86°F. To prevent remassing, keep away from direct sunlight or other sources of heat. Product stored or transported at higher temperatures should be evaluated for impact on performance before use.

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

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