

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
- Does not contain microplastic¹
- SYLVALITE RE 100S 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 – 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 at 125°C (mPa·s or cP)	AQCM 004	9920
Viscosity, Brookfield at 150°C (mPa·s or cP)		940
Viscosity, Brookfield at 177°C (mPa·s or cP)		173

*Kraton test methods are available upon request

Contact us:
 Almere (NL): +31 (0)36 54 62 800
 Savannah (US): + 1 (912) 238-6439
 Shanghai (CN): + 86 21 6434 8898
www.kraton.com

SOLUBILITY	SYLVALITE™ RE 100S rosin ester 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 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 100S rosin ester is available in pastille form in 25 kg, 500 kg and 1000kg bags. It is also available as bulk molten material.
STORAGE RECOMMENDATION	It is recommended that SYLVALITE RE 100S rosin ester be stored and transported 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 should be evaluated for impact on performance before use.



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

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