

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
- High bio-based content (93%)

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

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SOLUBILITY	<p>SYLVALITE RE 100F rosin ester is soluble in:</p> <ul style="list-style-type: none"> - Aromatic and aliphatic solvents like hexane & toluene - Esters and ketones like ethyl acetate and acetone - Long chain alcohols like butanol and pentanol
COMPATIBILITY	<p>SYLVALITE RE 100F 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 100F rosin ester is available in pastilles form in 25 kg, 500kg and 1000kg bags. It is also available as bulk molten material.</p>
STORAGE RECOMMENDATION	<p>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 sun light or other sources of heat. Product stored or transported at higher temperatures should be evaluated for impact on performance before use.</p>



**PRODUCT
VIN-00002**

The product complies with the requirements described in Certification Scheme "bio-based content" (NCS 16785:2016-11) as confirmed by the certificate VIN-00002 of Vincotte nv. Validity of the certificate from 29 November 2016 until 29 November 2020.

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