

SYLVALITE™ RE 105XL Rosin Ester

PRODUCT DATA SHEET

SYLVALITE RE 105XL rosin ester is very light colored and stable with moderately high softening point. This resin is compatible with a broad range of polymers, which enables formulation flexibility in various hot melt and solvent based adhesive applications. Adhesives formulated with SYLVALITE RE 105XL resin achieve the lightest color among the rosin ester product range.

FEATURES:

- Provides good specific adhesion to a variety of substrates
- Very light initial color
- Broad compatibility
- High bio-based content (93%)

POTENTIAL APPLICATIONS:

- Packaging
- PSA tapes & labels
- Flooring
- Bookbinding
- Woodworking

SALES SPECIFICATIONS

Property	Test Method*	Specification	Typical Value
Softening Point (°C)	AQCM 003	102 – 108	105
Color (Gardner, 1:1 toluene)	AQCM 002	Max. 3	0.6
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	57
Viscosity, Brookfield (125°C), cps.	AQCM 004	24323
Viscosity, Brookfield (150°C), cps.		1619
Viscosity, Brookfield (177°C), cps.		243

*Kraton test methods are available upon request

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SOLUBILITY	<p>SYLVALITE RE 105XL 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 105XL 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 105XL rosin ester is available in pastilles form in 25kg or 1000kg bags.</p>
STORAGE RECOMMENDATION	<p>It is recommended that SYLVALITE RE 105XL 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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