

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 at 125°C (mPa·s or cP)	AQCM 004	24323
Viscosity, Brookfield at 150°C (mPa·s or cP)		1619
Viscosity, Brookfield at 177°C (mPa·s or cP)		243

*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 105XL rosin ester is soluble in: <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	SYLVALITE RE 105XL 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 105XL rosin ester is available in pastilles form in 25kg or 1000kg bags.
STORAGE RECOMMENDATION	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.



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 TÜV AUSTRIA CERT GMBH. Validity of the certificate until 29 November 2024.

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