

SYLVALITE™ RE 105L Rosin Ester

PRODUCT DATA SHEET

SYLVALITE RE 105L rosin ester is a pentaerythritol ester of rosin with a higher softening point than typical products of its type. It has been formulated to provide outstanding heat and aging stability. The stability, low volatility and polymer compatibility of this product make it useful in a wide variety of adhesives and other applications where improved heat resistance and shear strength are required.

FEATURES:

- Provides good specific adhesion to a variety of substrates
- Low volatility at elevated temperatures
- Excellent stability
- Light color

POTENTIAL APPLICATIONS:

- Packaging
- PSA tapes & labels
- Woodworking
- Flooring
- Bookbinding
- Rubber compounding
- Sealants
- Coatings

SALES SPECIFICATIONS

Property	Test Method*	Specification	Typical Value
Softening Point (°C)	AQCM 003	103 - 107	104
Color (Gardner, neat)	AQCM 002	Max. 5	4-
Acid Number (mg KOH/g)	AQCM 001	Max. 15	9

*Kraton test methods are available upon request

TYPICAL PROPERTIES

Property	Test Method*	Typical Value
Glass Transition Temperature (°C)	AQCM 218	51
Viscosity, Brookfield (150°C), cps.	AQCM 004	2929
Viscosity, Brookfield (177°C), cps.		377
Viscosity, Brookfield (190°C), cps.		180

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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	<p>SYLVALITE RE 105L rosin ester is soluble in:</p> <ul style="list-style-type: none"> - Aromatic and aliphatic hydrocarbon solvents, like hexane and toluene - Esters and ketones, such as ethyl acetate and acetone - Long chain alcohols such as butanol and pentanol - Chlorinated solvents
COMPATIBILITY	<p>SYLVALITE RE 105L 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, Butyl Rubber, Neoprene - Acrylic polymers
PACKAGING	<p>SYLVALITE RE 105L rosin ester is available in flaked form in multi-wall bags, 50 lb. net and bulk bags 1000 lb. net.</p>
STORAGE RECOMMENDATION	<p>To preserve product quality, storage and transit dry and below 30°C / 86°F is recommended. 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>

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