

SYLVALITE™ ENDURA 99 Rosin Ester

PRODUCT DATA SHEET

SYLVALITE ENDURA 99 rosin ester is an ester of stabilized Tall Oil Rosin. This innovative, light colored product has been formulated to provide excellent resistance to oxidation. When compounded in Ethylene Vinyl Acetate (EVA) hot melt adhesives, it provides notably improved color stability as compared to other tackifiers.

FEATURES:

- Color stability
- Thermally stable
- Low odor and volatility
- Broad compatibility
- Provides good specific adhesion to a variety of substrates
- High bio-based content (93%)

POTENTIAL APPLICATIONS:

- Packaging
- PSA Tapes/ Labels
- Bookbinding
- Non-woven
- Woodworking
- Product Assembly

SALES SPECIFICATIONS

Property	Test Method*	Specification	Typical Value
Softening Point (°C)	AQCM 003	94 – 100	98
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	49
Viscosity, Brookfield at 125°C (cps.)	AQCM 004	14340
Viscosity, Brookfield at 150°C (cps.)		1155
Viscosity, Brookfield at 177°C (cps.)		195

*Kraton test methods are available upon request

SOLUBILITY	SYLVALITE™ ENDURA 99 rosin ester is soluble in: <ul style="list-style-type: none"> - Aromatics 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	SYLVALITE ENDURA 99 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 ENDURA 99 rosin ester is available in pastille form in 25 kg multiwall bags.
STORAGE RECOMMENDATION	It is recommended that SYLVALITE ENDURA 99 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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