



Product Data Sheet

Revised: 10/08

SYLVALITE® RE 100XL

Pentaerythritol Rosin Ester

SYLVALITE® RE 100XL is a developmental, extra-light colored, low-odor pentaerythritol ester of tall oil rosin. This premium tackifying resin offers the utility and performance of a rosin ester for adhesive applications where very light color is required. Such applications include value-added hot melt packaging and book binding adhesives, hot melt SBC pressure sensitive adhesives and solvent-based pressure sensitive adhesives. Broad compatibility of this product facilitates use of wide selection of co-tackifiers to customize such properties as specific adhesion, shear strength, open time, peel strength, etc.

| PROPERTIES | TYPICAL* | SPECIFICATIONS* |
|---|----------------------------|-----------------|
| Softening Point, Ring & Ball, °C | 98 | |
| Acid Number | 12 | |
| Color, Solid, Gardner | 2+ | |
| Color, Solution (1:1 Toluene) | 1- | |
| Melt Viscosity, Brookfield, cps at 125°C (257°F) at 150°C (302°F) at 177°C (350°F) at 190°C (374°F) | 15500 1020 175 95 | |
| Softening Point, Ring & Ball, °C | | 96-102 |
| Acid Number | | 15 Maximum |
| Color, Solid, Gardner | | 3+ Maximum |

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|--------------------------|--|
| Recommended Uses: | Premium hot melt packaging and book binding adhesives. High performance block copolymer pressure sensitive hot melt adhesives. Solvent-based acrylic pressure sensitive adhesives. |
| Soluble in: | Aromatic and aliphatic hydrocarbon solvents, esters, ketones and chlorinated solvents. Insoluble in alcohol and water. |

*Arizona Chemical Test Methods available on request.



Technical Service: Savannah, GA (912) 238-6556
Sales Service: Jacksonville, FL - (800) 733-1374

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|-------------------------------------|--|
| Compatible with: | Ethylene Vinyl Acetate (EVA) polymers, at all vinyl acetate levels, Ethylene Ethyl Acrylate, Styrene-Isoprene-Styrene (SIS), Styrene-Butadiene-Styrene (SBS), SBR, natural rubber, butyl rubber, neoprene, acrylic, LMW polyethylene, amorphous polypropylene and other polymers and with phthalate and polyester plasticizers, alkyds, hydrocarbon resins and terpene resins. |
| FDA Status: | <p>SYLVALITE® RE 100XL meets the ingredient requirements of the following section of the Code of Federal Regulations, Title 21 when used according to the regulations and any limitations that may apply:</p> <p>175.105 Adhesives</p> <p>175.125 Pressure-sensitive Adhesives</p> <p>175.300 Resinous & Polymeric Coatings</p> <p>176.170(b) Components of Paper & Paperboard in contact with Aqueous & Fatty Foods. Subject to final use extraction limitations of 176.170(c)</p> <p>176.180(b)(1) Components of Paper & Paperboard in contact with Dry Foods [by cross reference to 176.170(b)]. Subject to final use extraction limitations of 176.170(c).</p> <p>176.210 Defoaming Agents Used in Manufacture of Paper & Paperboard</p> <p>177.1210 Closures with Sealing Gaskets for food containers. Use only in resinous and polymeric coatings on metal substrates.</p> <p>177.2600 Rubber Articles Intended for Repeated Use – Plasticizers total not to exceed 30% by weight of rubber product.</p> <p>177.2600 Rubber Articles Intended for Repeated Use – Emulsifiers</p> |
| DOT Shipping Classification: | Non-hazardous unless transported in bulk at elevated temperatures. Bulk molten material regulated as Class 9, Elevated Temperature Liquid, n.o.s.; DOT Identification Number UN 3257; Packing Group III |
| Shipping: | Flaked form in multi-wall bags, 50 lb. net or molten bulk. |
| Storage: | Although flaked SYLVALITE® RE 100XL provides excellent shelf stability compared with other flaked resins, prolonged storage should be avoided due to potential effect on performance. |



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