



Product Data Sheet

Revision Date: 10/08

SYLVALITE® RE 100L

Light Colored, Stabilized Rosin Ester

SYLVALITE® RE 100L RESIN is a light-colored pentaerythritol ester of rosin, which has been stabilized to provide excellent heat and aging stability. This product provides particularly good skinning resistance and color stability in Ethylene Vinyl Acetate (EVA) hot melt adhesives when compared with other products of its type.

PROPERTIES	TYPICAL*	SPECIFICATIONS*
Softening Point, Ring & Ball, °C	100	
Acid Number	12	
Color, Solid, Gardner	4	
Color, USDA	XB	
Melt Viscosity, Brookfield, cps at 125°C (257°F) at 150°C (302°F) at 177°C (350°F) at 190°C (374°F)	11800 955 150 80	
Pounds per Gallon, 25°C	9.0	
Softening Point, Ring & Ball, °C		96 - 102
Acid Number		15 Maximum
Color, Solid, Gardner		5 Maximum

Recommended Uses:	SYLVALITE® RE 100L RESIN is recommended for use in EVA and other hot melts due to its excellent stability, light color, and low volatility at elevated temperatures. Its excellent polymer compatibility and aging stability suggest use in pressure sensitive adhesives. This product can also be used in rubber compounding, sealants, coatings and other applications.
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 100L RESIN 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> <ul style="list-style-type: none">175.105 Adhesives175.125 Pressure-sensitive Adhesives175.300 Resinous & Polymeric Coatings176.170(b) Components of Paper & Paperboard in contact with Aqueous & Fatty Foods. Subject to final use extraction limitations of 176.170(c)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).176.210 Defoaming Agents Used in Manufacture of Paper & Paperboard177.1210 Closures with Sealing Gaskets for food containers. Use only in resinous and polymeric coatings on metal substrates.177.2600 Rubber Articles Intended for Repeated Use
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 100L RESIN provides excellent shelf stability compared with other flaked resins, prolonged storage should be avoided due to potential effect on performance.



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