



# Product Data Sheet

## SYLVALITE® RE 105L

### Stabilized Rosin Ester

**SYLVALITE RE® 105L RESIN** is a pentaerythritol ester of rosin with a higher softening point than typical products of its type. It has been stabilized 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.

#### SPECIFICATIONS\*

Softening Point, Ring & Ball, °C	103 - 107
Acid Number	15 Maximum
Color, Solid, Gardner	5 Maximum

#### TYPICAL PROPERTIES\*

Softening Point, Ring & Ball, °C	105
Acid Number	13
Color, Solid, Gardner	4
Melt Viscosity, Brookfield, cps	
at 125°C (257°F)	31250
at 150°C (302°F)	1970
at 177°C (350°F)	280
at 190°C (374°F)	140
Pounds per Gallon, 25°C	9.0

<b>Recommended Uses:</b>	<b>SYLVALITE® RE 105L RESIN</b> is recommended for use in EVA, SBS, SIS and other hot melts where improved heat resistance is required due to its excellent stability, low volatility and low odor. Its excellent polymer compatibility and aging stability suggest use in pressure sensitive adhesives where improved shear strength is important. This product can also be used in rubber compounding, sealants, coatings and other applications.
<b>Soluble in:</b>	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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<b>Compatible with:</b>	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, amorphous polypropylene and other polymers and with phthalate and polyester plasticizers, alkyds, hydrocarbon resins and terpene resins.
<b>FDA Status:</b>	<p><b>SYLVALITE® RE 105L RESIN</b> 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><b>175.105</b> Adhesives</p> <p><b>175.300</b> Resinous &amp; Polymeric Coatings</p> <p><b>176.170(b)</b> Components of Paper &amp; Paperboard in contact with Aqueous &amp; Fatty Foods. Subject to final use extraction limitations of 176.170(c)</p> <p><b>176.180(b)(1)</b> Components of Paper &amp; 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><b>176.210</b> Defoaming Agents Used in Manufacture of Paper &amp; Paperboard</p> <p><b>177.1210</b> Closures with Sealing Gaskets for food containers. Use only in resinous and polymeric coatings on metal substrates.</p> <p><b>177.2600</b> Rubber Articles Intended for Repeated Use</p>
<b>DOT Shipping Classification:</b>	Non-hazardous.
<b>Shipping:</b>	Flaked form in multi-wall bags, 50 lb. net.
<b>Storage:</b>	Although flaked <b>SYLVALITE® RE 105L RESIN</b> provides excellent shelf stability compared with other flaked resins, prolonged storage should be avoided due to potential effect on performance.

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