



Product Data Sheet

Revision Date: 08-10-2010

SYLVARES[®] TR 5147

Polyterpene Resin

SYLVARES TR 5147 is a high softening point, thermally stable polyterpene tackifier, that can be used to modify the properties of natural and synthetic rubber, synthetic resin (such as ethylene vinyl acetate and polyethylene) and synthetic elastomer based adhesives. It is compatible with numerous compounding ingredients common to adhesives and may also be used in investment casting applications.

SPECIFICATIONS*

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|----------------------------------|-----------|
| Softening Point, Ring & Ball, °C | 120-126 |
| Color, Solid, Gardner | 6 Maximum |
| Chlorine | Negative |

TYPICAL PROPERTIES*

| | |
|---|----------------------|
| Softening Point, Ring & Ball, °C | 123 |
| Color, Solid, Gardner | 4 |
| Toluene insolubles, % | < 0.05 |
| Chlorine | Negative |
| Melt Viscosity, Brookfield, cps at 150°C (302°F) at 177°C (350°F) at 190°C (374°F) | 10,175 780 325 |
| Pounds per Gallon, 25°C | 8.7 |

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| Recommended Uses: | SYLVARES TR 5147 Resin can be used in pressure sensitive adhesives for tapes and labels, packaging, product assembly, hot-melt adhesives, rubber products and wax investment casting compounds. |
| Soluble in: | SYLVARES TR 5147 Resin is soluble in aliphatic, aromatic and chlorinated hydrocarbons, esters, terpenes, ethyl ether, and some alcohols. It is insoluble in glycols, ketones and most alcohols. |

*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: | This resin is compatible with natural rubber and most synthetic elastomers, polyethylene resins, ethylene-based copolymer resins, and most waxes and oils. | | | | | | | | | | | | |
| FDA Status: | <p>SYLVARES TR 5147 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> <table><tr><td>175.105</td><td>Adhesives</td></tr><tr><td>175.125</td><td>Pressure Sensitive Adhesives</td></tr><tr><td>175.300</td><td>Resinous & Polymeric Coatings</td></tr><tr><td>176.170</td><td>Components of Paper & Paperboard in contact with Aqueous & Fatty Foods. Subject to final use extraction limitations of 176.170(c)</td></tr><tr><td>176.180(b)(1)</td><td>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).</td></tr><tr><td>177.1210</td><td>Closures with Sealing Gaskets for food containers. Use only in resinous and polymeric coatings on metal substrates.</td></tr></table> | 175.105 | Adhesives | 175.125 | Pressure Sensitive Adhesives | 175.300 | Resinous & Polymeric Coatings | 176.170 | 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). | 177.1210 | Closures with Sealing Gaskets for food containers. Use only in resinous and polymeric coatings on metal substrates. |
| 175.105 | Adhesives | | | | | | | | | | | | |
| 175.125 | Pressure Sensitive Adhesives | | | | | | | | | | | | |
| 175.300 | Resinous & Polymeric Coatings | | | | | | | | | | | | |
| 176.170 | 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). | | | | | | | | | | | | |
| 177.1210 | Closures with Sealing Gaskets for food containers. Use only in resinous and polymeric coatings on metal substrates. | | | | | | | | | | | | |
| DOT Shipping Classification: | Non-hazardous. | | | | | | | | | | | | |
| Shipping: | Flaked in multi-wall bags, 50 lb. net. | | | | | | | | | | | | |
| Storage: | Minimize exposure to excessively high temperatures for extended periods. | | | | | | | | | | | | |



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