



**Industrial
Oleochemical
Products**

PRODUCT DATA SHEET

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OleoRez RP100 L

Pentaerythritol ester of tall oil rosin

OleoRez RP 100 L is a light-coloured pentaerythritol ester of tall oil rosin which exhibits a softening point of nominally 100°C. OleoRez RP 100 L tackifier is designed to contribute good colour stability at elevated temperatures, low odour and compatibility to EVA-based hot-melt adhesives.

Physical Properties

| Property | Description |
|------------------------|-------------------------------------|
| Appearance @25 °C | Clear light yellow (<=20mm) nuggets |
| Solids | 100% |
| Acid value (mgKOH/g) | 12 - 20 |
| Softening Point , (°C) | 98 - 102 |
| Colour, (Gardner) | 3 - 5 |

Applications

| | |
|---|--|
| Premium hot melt packaging and book binding adhesives | High performance block polymer pressure sensitive hot melt adhesives |
| Solvent-based acrylic pressure sensitive adhesives | Resinous and polymeric coatings |

Personal Protective Equipment



Always handle OleoRez product in accordance with the safety data sheet (SDS) and proper safety procedures.

Useful Product Information

| | |
|---------------------------|--|
| CAS Number | 161074-62-0 |
| EC Number | 500-495-8 |
| HS Code | 3806.30.00 |
| Flash Point , (°C) | >260 |
| Specific gravity, 25/25°C | Approx. 1.05 |
| Solubility | Fully soluble in aromatics, esters and ketones, partially soluble in white spirit and insoluble in alcohols and water. |
| Compatibility | Compatible with most commonly used EVAs, paraffin and waxes, natural rubber, SIS, and SBS |



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Feature & Benefits

| | |
|---|---|
| Excellent colour stability | Low volatility at elevated temperatures |
| Improved flexibility in formulating | Good skinning resistance |
| Minimal odour | Good resistance to viscosity change in hot melt adhesives at target temperature |
| Broad compatibility | Good adhesion to a variety of substrates |
| Formulated with an antioxidant to provide oxidative stability | Minimal colour shift at elevated temperatures |



Product Packaging

Pallet: 25kgs x 40 and plastic shrink wrapped
 Possibility of 1 ton bulk bags

Other Adhesive Tackifiers

OleoRez RP105, RG75L, RG70-L, RPG90-L, RPG100L



| | |
|-------------------------|---|
| Handling: | <p>Ensure the use of personal protective equipment (see SDS Section 8) Handle and open container with care. Keep away from heat and sources of ignition. The material is combustible but not classified as flammable. Wash thoroughly after handling. Do not eat and drink or smoke while handling this material. For molten rosin ester (>100°C) wear protective apron, footwear, spats, face mask and thermally protective gloves For rosin ester dust, wear a protective mask and gloves Note that handling of rosin ester in solid form may constitute a dust hazard (see SDS: Section 5)</p> |
| Storage: | <p>Store in original packaging and keep containers tightly closed until ready for use. Store in a cool, dry, well-ventilated place.</p> |
| Incompatible materials: | <p>Rosin ester in contact with un-lined mild steel containers or pipes can result in darkening of the material</p> |

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