



## TR-100

### Pentaerythritol Rosin Ester Tackifier Resin

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CAS: 8050-26-8

#### DESCRIPTION

TR-100 is a pentaerythritol ester of rosin designed for use as a tackifier resin in hot melt and pressure sensitive adhesive systems. It provides excellent heat stability and ageing resistance while enhancing adhesion performance and cohesive strength. TR-100 is compatible with EVA, SIS, SBS and other elastomer-based adhesive formulations.

#### KEY FEATURES

- Improves tack and adhesion performance
- Enhances cohesive strength in hot melt systems
- Good thermal and ageing stability
- Compatible with EVA, SIS, SBS and elastomer-based systems
- Suitable for pressure sensitive and packaging adhesives

#### APPLICATIONS

- Pressure sensitive adhesives (PSA)
- EVA hot melt adhesives
- Packaging adhesives
- Bookbinding adhesives
- General-purpose hot melt systems

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#### TYPICAL SPECIFICATIONS

| Parameter                     | Specification  |
|-------------------------------|----------------|
| Appearance                    | Solid resin    |
| Softening Point (Ring & Ball) | 95 – 105°C     |
| Colour (Fe-Co)                | ≤ 6            |
| Acid Number                   | ≤ 35 mg KOH/g  |
| Melt Viscosity (150°C)        | 700 – 1800 cps |
| Specific Gravity (20°C)       | 1.07 ± 0.02    |
| Ash Content                   | ≤ 0.1%         |
| Flash Point (COC)             | 240 – 250°C    |

*Values shown are typical properties and are not to be considered as guaranteed specifications.*



**LIMITED WARRANTY INFORMATION.  
PLEASE READ CAREFULLY.**

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This document is subject to revision without notice as new data becomes available.

**TECHNICAL SUPPORT**  
+61294103317  
info@chemport.com.au

Level 9 Tower A  
821 Pacific Highway  
Chatswood NSW 2067  
Australia  
chemport.com.au

**PACKAGING**

Supplied in 25 kg composite bags.

**STORAGE & HANDLING**

Store in a cool, dry, well-ventilated area away from heat and oxidising agents.

**SAFETY**

Avoid inhalation of dust and thermal fumes. Prevent contact with skin and eyes. Use suitable personal protective equipment and ensure adequate ventilation during processing. Refer to the Safety Data Sheet (SDS) for further safety and regulatory information.