

Wet Winding Epoxy TSR-150

Description

TSR-150 is a single component, heat curable epoxy resin system offering high bond strength and good flow control characteristics. Designed for applications requiring thermal shock, chemical & heat resistance.

Application

The balanced properties of TSR-150 make it ideal as a wet winding epoxy for rotating machinery and equipment. This epoxy is also suitable as an adhesive for patching and sealing. Stir thoroughly and apply by brush, spatula or automatic wet winding equipment.

Features Benefits

- Excellent Electrical Properties
- Outstanding Insulator
- Suitable for High Voltage Applications
- Thermal Shock Resistant
- Non-flowing during Cure
- Exceptional Heat Transfer
- Minimal Drainage/Waste
- High Bond Strength

Product Information

Colour	:	Natural	
Weight per US Gallon	:	11.75 lbs ± 0.15	
Flash Point	:	>94°C	ASTM D93
Brookfield Viscosity @ 25°C x 2 RPM	:	300,000 cps ± 50,000	
20 RPM	:	85,000 cps ± 15,000	

Performance Properties (Specimens Cured 8 Hrs. @ 150°C)

Shore D Hardness @ 25°C	:	88	
Weight Loss - 24 hrs @ 180°C	:	2%	
Tensile Strength @ 25°C	:	12,500 psi	
Flexural Strength @ 25°C	:	13,200 psi	
Elongation @ 25°C	:	2.5%	
Heat Deflection Temperature	:	155°C	
Dissipation Factor @ 60 Hz / 100°C	:	0.015	
Dielectric Constant @ 60 Hz / 100°C	:	4.3	
Volume Resistivity @ 100°C	:	5.8 x 10 ¹³ ohms-cm	ASTM D257

Suggested Cure Cycles

Rotating Equipment : 8 hours @ 150°C
Static Equipment and Adhesive Applications : 2 hours @ 150°C or 6 hours @ 135°C
Cure times required once unit reaches the indicated temperatures.

Availability

One tin size only @ 4.55 kgs / 3.293 Litres (0.87 US Gallons / 3.48 US Quarts / 10.0 lbs)

Shelf Life

Minimum of 3 months @ 15°C.
Minimum of 6 months when refrigerated @ 2 - 5°C

Storage

Avoid exposure to heat or warm temperatures during storage. Avoid storage temperatures above 15°C.

Safety Precautions

Read the Safety Data Sheet before handling. Use protective gloves and avoid inhalation of vapors or mist.



Phone: 1300 098 060

Web: www.agaus.com.au

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