

TSE Industries EcoWIND® 100 Polyurethane Resin Filament Winding (discontinued **)

Category : Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane, Liquid

Material Notes:

TSE-EcoWIND® resins are "Environmentally-Preferred Products" or EPP's. They are a pair of polyurethane resins free of Styrene, and are "ultra-low" emitting during application. TSE-EcoWIND® resins are formulated for filament winding applications serving the composite pressure vessel, tank, and piping markets. These PU resins have tested positively in both hot and cold pressure vessel applications and can be applied to reinforce thermoplastic substrates (i.e. polyethylene, ABS, etc.) or applied directly to a release coated mandrel surface. All information provided by TSE Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_TSE-Industries-EcoWIND-100-Polyurethane-Resin-Filament-Winding-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.026 g/cc	1.026 g/cc	
	@Temperature 23.9 °C	@Temperature 75.0 °F	
Viscosity	800 - 1000 cP	800 - 1000 cP	
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	84 - 85	84 - 85	Clear Casting
Tensile Strength, Yield	>= 68.9 MPa	>= 10000 psi	Clear Casting
Elongation at Yield	2.0 - 3.0 %	2.0 - 3.0 %	Clear Casting

Processing Properties	Metric	English	Comments
Cure Time	25.0 min	0.417 hour	
	@Temperature 57.2 - 62.8 °C	@Temperature 135 - 145 °F	
Gel Time	3.00 - 15.0 min	3.00 - 15.0 min	when reacted at 1:1 by volume, based on application
	@Temperature 23.9 °C	@Temperature 75.0 °F	
Shelf Life	6.00 Month	6.00 Month	Sealed containers should be stored between 75°F and 95°F
	@Temperature 23.9 °C	@Temperature 75.0 °F	

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