

TSE Industries EcoSPRAY® SS100 Aliphatic Polyurethane Resin

Category : Polymer , Thermoset , Polyurethane, TS

Material Notes:

TSE-EcoSPRAY® SS100 is an "Environmentally-Preferred Product" or EPP. It is an Aliphatic polyurethane resin free of Styrene, and is an "ultra-low" emitting resin during application. TSE-EcoSPRAY® SS100 is designed for the manufacturing of solid surfaces. This polyurethane is aliphatic. Therefore, solid surface technology manufactured using TSE-EcoSPRAY® SS100 exhibit excellent weather ability and good chemical resistance against weak acids and bases. All information provided by TSE Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_TSE-Industries-EcoSPRAY-SS100-Aliphatic-Polyurethane-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	
	@Temperature 23.9 °C	@Temperature 75.0 °F	
Viscosity	2000 cP	2000 cP	
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	45 - 48	45 - 48	clear casting
Tensile Strength, Yield	70.3 MPa	10200 psi	Clear Casting
Tensile Modulus	2.67 GPa	387 ksi	clear casting
Flexural Strength	87.6 MPa	12700 psi	clear casting
Flexural Modulus	2.51 GPa	364 ksi	clear casting

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	58.0 °C	136 °F	clear casting; unspecified load

Processing Properties	Metric	English	Comments
Gel Time	40.0 - 60.0 min	40.0 - 60.0 min	when reacted at 1:1.3 by weight, based on the 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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