

Park Electrochemical Nelcote® E-722 Epoxy Prepreg, 7781 E-Glass Reinforced

Category : Polymer , Thermoset , Epoxy

Material Notes:

Nelcote® E-722 is a modified 350°F cure epoxy system with excellent processing characteristics for vacuum bag, press, and autoclave molding. Key Features and Benefits: Epoxy resin system optimized for use with woven aramid reinforcements Meets requirements of MIL-R-9300B, Type 1 Long out-time for easy processing Applications/Qualifications: Military Helicopters Engine Nacelles Work Platforms Doors Air Frames Information provided by Park Electrochemical Corp.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Park-Electrochemical-Nelcote-E-722-Epoxy-Prepreg-7781-E-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Volatiles	<= 2.0 %	<= 2.0 %	8 min
	@Temperature 135 °C	@Temperature 275 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	372 MPa	54000 psi	0° Direction, Dry; ASTM D638 Type 1
	@Temperature 23.9 °C	@Temperature 75.0 °F	
Tensile Modulus	20.7 GPa	3000 ksi	0° Direction, Dry; ASTM D638 Type 1
	@Temperature 23.9 °C	@Temperature 75.0 °F	
Flexural Strength	758 MPa	110000 psi	Dry; ASTM D790
	@Temperature 23.9 °C	@Temperature 75.0 °F	
Flexural Modulus	24.8 GPa	3600 ksi	Dry; ASTM D790
	@Temperature 23.9 °C	@Temperature 75.0 °F	
Compressive Strength	414 MPa	60000 psi	Dry; ASTM D695
	@Temperature 23.9 °C	@Temperature 75.0 °F	
Compressive Modulus	20.7 GPa	3000 ksi	Dry; ASTM D695
	@Temperature 23.9 °C	@Temperature 75.0 °F	
Shear Strength	46.9 MPa	6800 psi	Short-Beam, Dry; ASTM D2344
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Processing Properties	Metric	English	Comments
Gel Time	1.00 - 2.50 min	1.00 - 2.50 min	
Shelf Life	12.0 Month	12.0 Month	
	@Temperature -17.8 °C	@Temperature 0.000 °F	

Processing Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Prepreg Resin Content (%)		35-40	
Resin Flow (%)		7-21	325°F, 15psi

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China