

Park Electrochemical Nelcote® V-341 Polybutadiene Prepreg, 120 E-Glass Reinforced

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Nelcote® V-341 is Polybutadiene resin system designed to provide excellent electrical properties in demanding airborne, shipboard, and undersea applications. Key Features and Benefits: Extremely low Dk/Df values for demanding RF / microwave applications Self adhesive bond to foam cores Long ambient out-time for easy processing Easily processed in both vacuum/oven and autoclave processes A cost effective, shop-friendly alternative to BMI and Cyanate Ester materials in many applications Resistant to fungus, moisture, rain impact, and most chemicals Applications/Qualifications: High performance radomes Signature control devices US Army Helicopter Air Force Ground-Based Radar Information provided by Park Electrochemical Corp.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Park-Electrochemical-Nelcote-V-341-Polybutadiene-Prepreg-120-E-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Volatiles	<= 2.0 % @Temperature 288 °C	<= 2.0 % @Temperature 550 °F	10 min

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	276 MPa @Temperature 23.9 °C	40000 psi @Temperature 75.0 °F	0° Direction, Dry; ASTM D638
Tensile Modulus	16.5 GPa @Temperature 23.9 °C	2400 ksi @Temperature 75.0 °F	0° Direction, Dry; ASTM D638
Flexural Strength	372 MPa @Temperature 23.9 °C	54000 psi @Temperature 75.0 °F	Dry; ASTM D790
Flexural Modulus	14.5 GPa @Temperature 23.9 °C	2100 ksi @Temperature 75.0 °F	Dry; ASTM D790
Compressive Strength	262 MPa @Temperature 23.9 °C	38000 psi @Temperature 75.0 °F	Dry; ASTM D695
Compressive Modulus	15.9 GPa @Temperature 23.9 °C	2300 ksi @Temperature 75.0 °F	Dry

Processing Properties	Metric	English	Comments
Gel Time	1.00 - 1.50 min @Temperature 171 °C	1.00 - 1.50 min @Temperature 340 °F	

Processing Properties	3.00 Month Metric	3.00 Month English	Comments
	@Temperature 4.44 °C	@Temperature 40.0 °F	
	6.00 Month	6.00 Month	
	@Temperature -17.8 °C	@Temperature 0.000 °F	

Descriptive Properties	Value	Comments
Prepreg Resin Content (%)	26-33	
Resin Flow (%)	6-14	350°F, 100psi

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