

## Park Electrochemical Nelcote® V-341 Polybutadiene Prepreg, 7781 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-7781-E-Glass-Reinforced.php](http://www.lookpolymers.com/polymer_Park-Electrochemical-Nelcote-V-341-Polybutadiene-Prepreg-7781-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	331 MPa @Temperature 23.9 °C	48000 psi @Temperature 75.0 °F	0° Direction, Dry; ASTM D638
Flexural Strength	448 MPa @Temperature 23.9 °C	65000 psi @Temperature 75.0 °F	Dry; ASTM D790
Flexural Modulus	20.7 GPa @Temperature 23.9 °C	3000 ksi @Temperature 75.0 °F	Dry; ASTM D790

Processing Properties	Metric	English	Comments
Gel Time	1.00 - 1.50 min @Temperature 171 °C	1.00 - 1.50 min @Temperature 340 °F	
Shelf Life	3.00 Month @Temperature 4.44 °C	3.00 Month @Temperature 40.0 °F	
	6.00 Month @Temperature -17.8 °C	6.00 Month @Temperature 0.000 °F	

Descriptive Properties	Value	Comments
Prepreg Resin Content (%)	26-33	

Descriptive Properties	Value	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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