

## Park Electrochemical Nelcote® E-766B Epoxy Prepreg, 7781 E-Glass Reinforced

Category : Polymer , Thermoset , Epoxy

### Material Notes:

Nelcote® E-766B is a low tack, self adhesive epoxy resin system designed for honeycomb applications. E-766B displays excellent peel properties. Key Features and Benefits: Self adhesive resin system for sandwich panel applications Flame retardant and self-extinguishing Low tack and long out-times for ease of processing Applications/Qualifications: Sandwich panels / structures Aircraft Interiors Mass Transit Interiors Information provided by Park Electrochemical Corp.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Park-Electrochemical-Nelcote-E-766B-Epoxy-Prepreg-7781-E-Glass-Reinforced.php](http://www.lookpolymers.com/polymer_Park-Electrochemical-Nelcote-E-766B-Epoxy-Prepreg-7781-E-Glass-Reinforced.php)

Physical Properties	Metric	English	Comments
Volatiles	<= 1.0 % @Temperature 163 °C	<= 1.0 % @Temperature 325 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	483 MPa @Temperature 23.9 °C	70000 psi @Temperature 75.0 °F	ASTM D638
Tensile Modulus	26.2 GPa @Temperature 23.9 °C	3800 ksi @Temperature 75.0 °F	Dry; ASTM D638
Flexural Strength	758 MPa @Temperature 23.9 °C	110000 psi @Temperature 75.0 °F	Dry; ASTM D790
Flexural Modulus	29.6 GPa @Temperature 23.9 °C	4300 ksi @Temperature 75.0 °F	Dry; ASTM D790
Compressive Strength	579 MPa @Temperature 23.9 °C	84000 psi @Temperature 75.0 °F	Dry; ASTM D695
Compressive Modulus	24.1 GPa @Temperature 23.9 °C	3500 ksi @Temperature 75.0 °F	Dry; ASTM D695
Shear Strength	59.3 MPa @Temperature 23.9 °C	8600 psi @Temperature 75.0 °F	Short-Beam, Dry; ASTM D2344

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	93.0 °C	199 °F	Dry; DMA

Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month	12.0 Month	
	@Temperature -17.8 °C	@Temperature 0.000 °F	

Descriptive Properties	Value	Comments
Climbing Drum Peel (in-lb/3in)	45	ASTM D1781; Bag Surface
	50	ASTM D1781; Mold Surface
Fabric Area Weight (g/m <sup>2</sup> )	300	
Prepreg Resin Content (%)	37-43	
Resin Flow (%)	10-25	275°F, 15psi

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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