

Hexcel® Redux® 330K Epoxy film adhesives for the bonding and finishing of composites

Category : Polymer , Adhesive , Film , Thermoset , Epoxy , Epoxy Adhesive

Material Notes:

Redux 330 is a 350°F curing tough film adhesive which is ideally suited to structural bonding, composite to composite bonding, surface finishing, electromagnetic shielding and lightning strike applications. It is available with knitted nylon, matt nylon and metal foils, in a choice of weights to suit the wide range of applications. Redux 330 has excellent structural bonding performance and exceeds the requirements of BMS-8-245. Areal Weights: 0.35, 0.05, 0.08 psf. Features: Ideal for composite to composite bonding (no metallic fiber); Suitable for co-cure with 350°F prepreg systems; Good structural performance and service temperature to 270°F; Low volatile content (solventless production process); Excellent environmental resistance; High toughness; Light tack and good drapability; Contains carrier for glueline thickness control and for improved adhesive handling. Applications: Structural Composite Bonding

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-Redux-330K-Epoxy-film-adhesives-for-the-bonding-and-finishing-of-composites.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	4.55 MPa	660 psi	Flatwise Tensile (Composite: Glass-Phenolic Core), Conditioning: 10 day Prebond Humidity + 14 Days at 160°F/100%RH
	@Temperature 71.1 °C	@Temperature 160 °F	
	5.79 MPa	840 psi	Flatwise Tensile (Composite: Glass-Phenolic Core), No conditioning
	@Temperature -55.0 °C	@Temperature -67.0 °F	
Shear Strength	6.41 MPa	930 psi	Flatwise Tensile (Composite: Glass-Phenolic Core), No conditioning
	@Temperature 71.1 °C	@Temperature 160 °F	
	6.62 MPa	960 psi	Flatwise Tensile (Composite: Glass-Phenolic Core), No conditioning
	@Temperature 21.1 °C	@Temperature 70.0 °F	
Beam Shear, No conditioning	3.65 MPa	530 psi	Beam Shear, No conditioning
	@Temperature -55.0 °C	@Temperature -67.0 °F	
	3.65 MPa	530 psi	
Beam Shear, No conditioning	@Temperature 21.1 °C	@Temperature 70.0 °F	Beam Shear, No conditioning
	3.65 MPa	530 psi	
	@Temperature 71.1 °C	@Temperature 160 °F	
Double Lap Shear (Composite/Composite), 0.05 psf, No conditioning	5.86 MPa	850 psi	Double Lap Shear (Composite/Composite), 0.05 psf, No conditioning
	@Temperature -55.0 °C	@Temperature -67.0 °F	
Double Lap Shear (Composite/Composite), 0.05 psf, No conditioning	6.41 MPa	930 psi	Double Lap Shear (Composite/Composite), 0.05 psf, No conditioning
	@Temperature 149 °C	@Temperature 300 °F	

Mechanical Properties	6.62 MPa Metric	960 psi English	Double Lap Shear (Composite/Composite), 0.05 psf, No conditioning
	@Temperature 21.1 °C	@Temperature 70.0 °F	
	13.8 MPa	2000 psi	Single Lap Shear (Metal/Metal), 0.05 psf, No conditioning
	@Temperature 149 °C	@Temperature 300 °F	
	41.4 MPa	6000 psi	Single Lap Shear (Metal/Metal), 0.05 psf, No conditioning
	@Temperature 21.1 °C	@Temperature 70.0 °F	
Peel Strength	5.43 kN/m	31.0 pli	Bell Peel, No conditioning
	@Temperature 21.1 °C	@Temperature 70.0 °F	

Processing Properties	Metric	English	Comments
Shelf Life	6.00 Month	6.00 Month	
	@Temperature -17.8 °C	@Temperature 0.000 °F	

Descriptive Properties	Value	Comments
Carrier/Foil	Knitted nylon	

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