

## Hexcel® Redux® 330M 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: 0.02, 0.03, 0.04 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: Surface finishing films

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Hexcel-Redux-330M-Epoxy-film-adhesives-for-the-bonding-and-finishing-of-composites.php](http://www.lookpolymers.com/polymer_Hexcel-Redux-330M-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	
	4.69 MPa	680 psi	Flatwise Tensile (Composite: Glass-Phenolic Core), No conditioning
	@Temperature 21.1 °C	@Temperature 70.0 °F	
Shear Strength	5.72 MPa	830 psi	Flatwise Tensile (Composite: Glass-Phenolic Core), No conditioning
	@Temperature -55.0 °C	@Temperature -67.0 °F	
	6.41 MPa	930 psi	Flatwise Tensile (Composite: Glass-Phenolic Core), No conditioning
	@Temperature 71.1 °C	@Temperature 160 °F	
Shear Strength	4.69 MPa	680 psi	Double Lap Shear (Composite/Composite), 0.03 psf, No conditioning
	@Temperature 21.1 °C	@Temperature 70.0 °F	
	5.00 MPa	725 psi	Beam Shear, No conditioning
	@Temperature -55.0 °C	@Temperature -67.0 °F	
Shear Strength	5.00 MPa	725 psi	Beam Shear, No conditioning
	@Temperature 21.1 °C	@Temperature 70.0 °F	
	5.00 MPa	725 psi	Beam Shear, No conditioning
	@Temperature 71.1 °C	@Temperature 160 °F	
Shear Strength	5.72 MPa	830 psi	Double Lap Shear (Composite/Composite), 0.03 psf, No conditioning
	@Temperature -55.0 °C	@Temperature -67.0 °F	

Mechanical Properties	6.41 MPa Metric	930 psi English	Double Lap Shear (Composite/Composite), 0.03 psf, No conditioning
	@Temperature 149 °C	@Temperature 300 °F	
	22.1 MPa	3200 psi	Single Lap Shear (Metal/Metal), 0.03 psf, No conditioning
	@Temperature 149 °C	@Temperature 300 °F	
	37.2 MPa	5400 psi	Single Lap Shear (Metal/Metal), 0.03 psf, No conditioning
	@Temperature 21.1 °C	@Temperature 70.0 °F	
Peel Strength	4.56 kN/m	26.0 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	Matt nylon	

## Contact Songhan Plastic Technology Co.,Ltd.

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