

Hexcel® Redux® 312UL Modified epoxy film adhesive

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

Material Notes:

Redux® 312 is a high-strength 250°F curing film adhesive, suitable for metal to metal bonding and sandwich constructions, where operating temperatures of up to 210°F may be experienced. A supported version, Redux® 312/5, is available with a woven nylon carrier for bond line thickness control. Features: Short cure cycle - cures in 30 minutes at 250°F; Good mechanical performance up to 210°F; Suitable for composite to composite bonding; Low volatile content (solventless process). Applications: Metal to metal bonding; Sandwich constructions; Composite to composite bonding.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-Redux-312UL-Modified-epoxy-film-adhesive.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	5.52 MPa	800 psi	Flatwise Tensile
	@Temperature 21.1 °C	@Temperature 70.0 °F	
Shear Strength	31.7 MPa	4600 psi	Lap Shear
	@Temperature 71.1 °C	@Temperature 160 °F	
	31.7 MPa	4600 psi	Lap Shear
	@Temperature 79.4 °C	@Temperature 175 °F	
	39.3 MPa	5700 psi	Lap Shear
	@Temperature 21.1 °C	@Temperature 70.0 °F	
Peel Strength	9.12 kN/m	52.0 pli	Bell Peel
	@Temperature 21.1 °C	@Temperature 70.0 °F	

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
Areal Weight (psf)	0.02	
Climbing Drum Peel (in-lb/3in)	22	70°F
Roll Width (in)	21	
Standard Roll (ft2)	645	

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