

Hexcel® Redux® 322 Modified epoxy film adhesive (0.078 psf)

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

Material Notes:

Redux 322 is a high performance modified epoxy film adhesive curing at 350°F. It is suitable for bonding metal to metal and for sandwich structures, where operating temperatures are experienced up to 430°F for short periods, or 390°F for continuous operation. Redux 322 is a hot melt film which is free from solvents and consequently has a very low volatile content. Features: Cure at 350°F; Good co-cure potential with 350°F curing prepregs; Good hot lap shear performance; Good high temperature performance in metal sandwich structures; Low volatile content and low out gassing properties; Available with or without a woven nylon carrier. Applications: Metal to metal bonding; Sandwich constructions.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-Redux-322-Modified-epoxy-film-adhesive-0078-psf.php

Physical Properties	Metric	English	Comments
Outgassing - Total Mass Loss	0.41 %	0.41 %	Recovered Mass Loss (RML), Typical result; ESA PSS-01-702
	1.74 %	1.74 %	Total Mass Loss (TML), Typical result; ESA PSS-01-702
Collected Volatile Condensable Material	0.00 %	0.00 %	ESA PSS-01-702

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	6.00 MPa	870 psi	Flatwise Tension
	@Temperature 149 °C	@Temperature 300 °F	
	8.00 MPa	1160 psi	Flatwise Tension
	@Temperature 21.1 °C	@Temperature 70.0 °F	
Shear Strength	20.0 MPa	2900 psi	Lap Shear
	@Temperature 177 °C	@Temperature 350 °F	
	22.0 MPa	3190 psi	Lap Shear
	@Temperature 21.1 °C	@Temperature 70.0 °F	
	22.99 MPa	3335 psi	Lap Shear
	@Temperature 149 °C	@Temperature 300 °F	

Processing Properties	Metric	English	Comments
Shelf Life	18.0 Month	18.0 Month	
	@Temperature -17.8 °C	@Temperature 0.000 °F	

Descriptive Properties	Value	Comments
Areal Weight (psf)	0.078	
Climbing Drum Peel (in-lb/3in)	50.6	70°F
Roll Width (in)	21	
Standard Roll (ft2)	430	
Support	Woven nylon carrier	

Contact Songhan Plastic Technology Co.,Ltd.

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