

## Hexcel® Redux® 322U Modified epoxy film adhesive (0.06 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-322U-Modified-epoxy-film-adhesive-006-psf.php](http://www.lookpolymers.com/polymer_Hexcel-Redux-322U-Modified-epoxy-film-adhesive-006-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	6.998 MPa @Temperature 149 °C	1015 psi @Temperature 300 °F	Flatwise Tension
	8.998 MPa @Temperature 21.1 °C	1305 psi @Temperature 70.0 °F	Flatwise Tension
Shear Strength	22.0 MPa @Temperature 21.1 °C	3190 psi @Temperature 70.0 °F	Lap Shear
	26.0 MPa @Temperature 149 °C	3770 psi @Temperature 300 °F	Lap Shear

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

Descriptive Properties	Value	Comments
Areal Weight (psf)	0.06	

<small>Climbing Drum Peel (in-lb/3in)</small> Descriptive Properties	10.1 Value	70°F Comments
Roll Width (in)	21	
Standard Roll (ft2)	430	
Support	None	

## Contact Songhan Plastic Technology Co.,Ltd.

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