

## Hexcel® Redux® 319 High Performance Modified Epoxy Film Adhesive (0.07 psf)

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

### Material Notes:

Redux 319 is a high performance modified epoxy film adhesive curing at 350°F. It is available in both supported and unsupported versions at areal weights between 0.03 and 0.08 psf. The supported versions contain a woven nylon carrier for glue-line thickness control and improved handleability. Redux 319 is a hot melt film which is free from solvents and consequently it has a very low volatile content. Features: Cures in 60 min at 350°F; Good performance at temperatures ranging from -67°F to 300°F; Good short-term exposure performance at 350°F; Excellent peel properties; Good drape at ambient temperatures; Less than 1% volatile content. Applications: Aluminum to aluminum bonding; Fiber-reinforced composite to composite bonding; Aluminum honeycomb sandwich bonding; Aramid honeycomb sandwich bonding.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Hexcel-Redux-319-High-Performance-Modified-Epoxy-Film-Adhesive-007-psf.php](http://www.lookpolymers.com/polymer_Hexcel-Redux-319-High-Performance-Modified-Epoxy-Film-Adhesive-007-psf.php)

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	8.89 MPa	1290 psi	Flatwise Tensile
	@Temperature 22.2 °C	@Temperature 72.0 °F	
	9.294 MPa	1348 psi	Flatwise Tensile, Primed with Redux 119
	@Temperature 22.2 °C	@Temperature 72.0 °F	
Shear Strength	26.0 MPa	3770 psi	Lap Shear, Primed with Redux 119
	@Temperature 149 °C	@Temperature 300 °F	
	44.99 MPa	6525 psi	Lap Shear, Primed with Redux 119
	@Temperature 22.2 °C	@Temperature 72.0 °F	
Peel Strength	7.01 kN/m	40.0 pli	Bell Peel
	@Temperature 22.2 °C	@Temperature 72.0 °F	
	7.36 kN/m	42.0 pli	Bell Peel, Primed with Redux 119
	@Temperature 22.2 °C	@Temperature 72.0 °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)	0.07	

<i>Climbing Drum Peel (in-lb/3in)</i> Descriptive Properties	134.6 Value	72°F Comments
	139.1	Primed with Redux 119; 72°F
Standard Roll (ft2)	430	
Support	None	

## Contact Songhan Plastic Technology Co.,Ltd.

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