

Hexcel® Redux® 610W (0.03 psf) Flame retarded epoxy film adhesive

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

Material Notes:

Redux 610 is a modified, flame-retarded epoxy film adhesive curing at 250°F. It is suitable for bonding metal to metal and for sandwich structures where flame retardancy and low heat release are required. Redux 610 is a hot melt film which is free from solvents and consequently has a very low volatile content. Features: Cures in 1 hour at 250°F; Good lap-shear performance up to 212°F; Good peel performance in sandwich structures up to 175°F; Meets the heat release requirements of IMO test MSC 61 (67); Good tack, drape and handleability; Very low volatile content and low out gassing properties; Available unsupported or with a very lightweight glass carrier. Applications: Metal to metal bonding; Sandwich constructions; Flame retarded performance

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-Redux-610W-003-psf-Flame-retarded-epoxy-film-adhesive.php

Physical Properties	Metric	English	Comments
Storage Temperature	-17.8 °C	0.000 °F	

Mechanical Properties	Metric	English	Comments
Shear Strength	17.00 MPa	2465 psi	Lap Shear
	@Temperature 100 °C	@Temperature 212 °F	
	24.99 MPa	3625 psi	
	@Temperature 80.0 °C	@Temperature 176 °F	Lap Shear
	28.0 MPa	4060 psi	Lap Shear
	@Temperature 50.0 °C	@Temperature 122 °F	
	30.0 MPa	4350 psi	Lap Shear
	@Temperature 22.2 °C	@Temperature 72.0 °F	
Peel Strength	3.93 kN/m	22.4 pli	Floating Roller Peel
	@Temperature 22.2 °C	@Temperature 72.0 °F	
	4.21 kN/m	24.0 pli	Floating Roller Peel
	@Temperature 80.0 °C	@Temperature 176 °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)		

Descriptive Properties	Value	Comments
Climbing Drum Peel (in-lb/3in)	22.4	176°F
	31.4	72°F
Roll Width (in)	49	
Standard Roll (ft2)	1075	
Support	Woven Glass	

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