

Hexcel® Redux® 610W (0.06 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-006-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 | 13.00 MPa | 1885 psi | Lap Shear |
| | @Temperature 100 °C | @Temperature 212 °F | |
| | 19.00 MPa | 2755 psi | |
| | @Temperature 80.0 °C | @Temperature 176 °F | Lap Shear |
| | 24.0 MPa | 3480 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 | 4.12 kN/m | 23.5 pli | Floating Roller Peel |
| | @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) | 0.06 | |
| Climbing Drum Peel (in-lb/3in) | 53.8 | 72°F |

| Descriptive Properties | 78.5 Value | 176°F Comments |
|------------------------|---------------|-------------------|
| Roll Width (in) | 49 | |
| Standard Roll (ft2) | 1075 | |
| Support | Woven Glass | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China