

Hexcel® Redux® 312/5 Modified epoxy film adhesive

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

Material Notes:

Redux® 312 is a high-strength 250°F curing film adhesive, suitable for metal to metal bonding and sandwich constructions, where operating temperatures of up to 210°F may be experienced. A supported version, Redux® 312/5, is available with a woven nylon carrier for bond line thickness control. Features: Short cure cycle - cures in 30 minutes at 250°F; Good mechanical performance up to 210°F; Suitable for composite to composite bonding; Low volatile content (solventless process). Applications: Metal to metal bonding; Sandwich constructions; Composite to composite bonding.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-Redux-3125-Modified-epoxy-film-adhesive.php

| Mechanical Properties | Metric | English | Comments |
|-------------------------|----------------------|----------------------|------------------|
| Tensile Strength, Yield | 8.62 MPa | 1250 psi | Flatwise Tensile |
| | @Temperature 21.1 °C | @Temperature 70.0 °F | |
| Shear Strength | 29.6 MPa | 4300 psi | Lap Shear |
| | @Temperature 71.1 °C | @Temperature 160 °F | |
| | 38.0 MPa | 5510 psi | Lap Shear |
| | @Temperature 21.1 °C | @Temperature 70.0 °F | |
| Peel Strength | 9.64 kN/m | 55.0 pli | Bell Peel |
| | @Temperature 21.1 °C | @Temperature 70.0 °F | |

| Processing Properties | Metric | English | Comments |
|-----------------------|-----------------------|-----------------------|----------|
| Shelf Life | 12.0 Month | 12.0 Month | |
| | @Temperature -17.8 °C | @Temperature 0.000 °F | |

| Descriptive Properties | Value | Comments |
|--------------------------------|-------|----------|
| Areal Weight (psf) | 0.06 | |
| Climbing Drum Peel (in-lb/3in) | 57 | 70°F |
| Roll Width (in) | 21 | |
| Standard Roll (ft2) | 645 | |

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