

Hexcel® Redux® 870 A/B Two Component Shimming and Potting Epoxy Paste Adhesive

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

Material Notes:

Redux 870 A/B is a two component high performance epoxy paste adhesive, ideal for use as a Liquid Shim or for potting applications. This high temperature performing thixotropic adhesive has been specially formulated for bonding of fibre-reinforced composite and metal substrates. Features: Thixotropic, gap filling high performance liquid shim adhesive; Easy 2:1 volume mix ratio - available in dual-cartridges with static mixers; Room temperature curing; Long working life at ambient temperatures; Excellent compression and shear properties; High temperature performance.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-Redux-870-AB-Two-Component-Shimming-and-Potting-Epoxy-Paste-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	Redux 870 B
	1.16 g/cc	1.16 g/cc	Mixed Adhesive
	1.20 g/cc	1.20 g/cc	Redux 870 A

Mechanical Properties	Metric	English	Comments
Compressive Yield Strength	98.0 MPa	14200 psi	Cured 5 days at 23°C; ISO 604
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Shear Strength	11.0 MPa	1600 psi	Lap Shear; Cured 5 days at 23°C; Substrate: 2024 T3 Aluminum Alloy (CSA pretreated, Unprimed); EN2243-1
	@Temperature 150 °C	@Temperature 302 °F	
	22.0 MPa	3190 psi	Lap Shear; Cured 5 days at 23°C; Substrate: 2024 T3 Aluminum Alloy (CSA pretreated, Unprimed); EN2243-1
	@Temperature 120 °C	@Temperature 248 °F	
	27.0 MPa	3920 psi	Lap Shear; Cured 5 days at 23°C; Substrate: 2024 T3 Aluminum Alloy (CSA pretreated, Unprimed); EN2243-1
	@Temperature 80.0 °C	@Temperature 176 °F	
	43.0 MPa	6240 psi	Lap Shear; Cured 5 days at 23°C; Substrate: 2024 T3 Aluminum Alloy; EN2243-1
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Descriptive Properties	Value	Comments
Color	Mixed Adhesive: Grey	
	Redux 870 A: Dark Grey	
	Redux 870 B: Off White	

Descriptive Properties	Value	Comments
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