

Henkel Hysol EA 9695 Film Adhesive

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

Material Notes:

Second generation, low flow, composite bonding film; excellent environmental resistance. Composite structure repair, cure and co-cure with composite laminates. Qualified to Airbus. Data from .050 psf, 250 g / m2.Applications: Composite Bonding Metal and Honeycomb Bonding Composite Surfacing

Order this product through the following link:

http://www.lookpolymers.com/polymer_Henkel-Hysol-EA-9695-Film-Adhesive.php

Physical Properties	Metric	English	Comments
Storage Temperature	-18.0 Â°C	-0.400 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength	8.30 MPa	1200 psi	Flatwise
Adhesive Bond Strength	19.3 MPa	2800 psi	Composite double overlap shear
	@Temperature 132 Â°C	@Temperature 270 Â°F	
	30.3 MPa	4390 psi	Composite double overlap shear
	@Temperature -55.0 Â°C	@Temperature -67.0 Â°F	
	34.5 MPa	5000 psi	Composite double overlap shear
	@Temperature 25.0 Â°C	@Temperature 77.0 Â°F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	>= 149 Â°C	>= 300 Â°F	
Glass Transition Temp, Tg	86.0 Â°C	187 Â°F	wet, 121Â°C cure
	95.0 Â°C	203 Â°F	wet, 175Â°C cure
	122 Â°C	252 Â°F	dry, 121Â°C cure
	150 Â°C	302 Â°F	dry, 175Â°C cure

Processing Properties	Metric	English	Comments
Cure Time	90.0 min	1.50 hour	
	@Temperature 177 Â°C	@Temperature 351 Â°F	
	90.0 min	1.50 hour	

Processing Properties	@Temperature 121 Â°C Metric	@Temperature 250 Â°F English	Comments
Descriptive Properties	Value		Comments
Out-Time (days)	90		at 25Â°C

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