

Henkel Hysol PL 7000 Film Adhesive

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

Material Notes:

Epoxy film adhesive formulated to provide excellent performance properties in composite bonding, and has excellent results on composite surfaces that have been exposed to bond shop environments and may have absorbed moisture. Excellent fracture toughness (G1C) over composite surfaces exhibiting cohesive failure patterns, indicating superior adhesion characteristics. Qualified at Boeing. Application: Composite Surfacing

Order this product through the following link:

http://www.lookpolymers.com/polymer_Henkel-Hysol-PL-7000-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	7.40 MPa	1070 psi	Flatwise
Adhesive Bond Strength	9.00 MPa	1310 psi	Lap Shear
	@Temperature 132 Â°C	@Temperature 270 Â°F	
	26.2 MPa	3800 psi	Lap Shear
	@Temperature -55.0 Â°C	@Temperature -67.0 Â°F	
	31.0 MPa	4500 psi	Lap 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	62.5 Â°C	145 Â°F	dry

Processing Properties	Metric	English	Comments
Cure Time	60.0 - 120 min	1.00 - 2.00 hour	
	@Temperature 177 Â°C	@Temperature 351 Â°F	
	90.0 - 120 min	1.50 - 2.00 hour	
	@Temperature 121 Â°C	@Temperature 250 Â°F	

Descriptive Properties	Value	Comments
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Out-Time (days) Descriptive Properties	30 Value	at 25A°C Comments
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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