

Permabond UV670 UV-curable Adhesive

Category : Polymer , Adhesive , Thermoset , Acrylic/Cyanoacrylate Adhesive

Material Notes:

PERMABOND UV670 is a single part, fast curing, UV curable adhesive. The cured adhesive is tough, flexible and has excellent impact resistance. Permabond UV670 is well suited for bonding glass to metals and metalized plastics Features & Benefits: Cure on demand Non-drip Flexible, good impact resistance Fast curing with low-power lamps 100% solids, no solvents Excellent adhesion to metal and glass
Information provided by Permabond.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Permabond-UV670-UV-curable-Adhesive.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in ³	uncured
Viscosity	2000 - 3000 cP @Temperature 25.0 °C	2000 - 3000 cP @Temperature 77.0 °F	Uncured
Storage Temperature	5.00 - 25.0 °C	41.0 - 77.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	58	58	
Tensile Strength	12.0 MPa	1740 psi	ASTM D2095
Elongation at Break	85 %	85 %	
Adhesive Bond Strength	8.00 - 9.00 MPa	1160 - 1310 psi	Glass/steel, Shear

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	121 °C	250 °F	
Minimum Service Temperature, Air	-53.9 °C	-65.0 °F	

Optical Properties	Metric	English	Comments
Refractive Index	1.47	1.47	

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.0 @Frequency 1.00e+6 Hz, Temperature 25.0 °C	4.0 @Frequency 1.00e+6 Hz, Temperature 77.0 °F	
Dielectric Strength	12.0 kV/mm	305 kV/in	

Electrical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Cure Time	0.117 min	0.00194 hour	fixture time, (low power 4mW lamp)
Shelf Life	12.0 Month	12.0 Month	

Descriptive Properties	Value	Comments
Appearance	Colorless	Uncured
Cure Wavelength (nm)	365-400	
Maximum Gap Fill (mm)	0.5	
Strength Retention	10% at 200°C	Relative to 0°C
	100% at 0°C	Relative to 0°C
	30% at 150°C	Relative to 0°C
	75% at 100°C	Relative to 0°C
	95% at 50°C	Relative to 0°C

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