

BCC Products BC 100 Medium Cyanoacrylate Adhesive

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

Material Notes:

BC100 Medium, like its name in the medium viscosity version of cyanoacrylate adhesive that has become most popular in the super bonding applications. A 12 second fixture bond makes the BC100 the fastest in our family of cyanoacrylates. Excellent for bonding rough and porous surfaces BC100 meets Military specification MLLA 46050 Type II Class II. Perfect for industrial manufacturing and repair applications, you can bond with speed. BONDING SCHEDULES: Plastics: 2-5 seconds, Rubber:

Order this product through the following link:

http://www.lookpolymers.com/polymer_BCC-Products-BC-100-Medium-Cyanoacrylate-Adhesive.php

Physical Properties	Metric	English	Comments
Brookfield Viscosity	80 - 120 cP @Temperature 25.0 °C	80 - 120 cP @Temperature 77.0 °F	Brookfield LVF, Spindle 1-60 RPM

Mechanical Properties	Metric	English	Comments
Shear Strength	>= 10.0 MPa	>= 1450 psi	ABS; ASTM D1002/DIN 53283
	>= 12.0 MPa	>= 1740 psi	polycarbonate; ASTM D1002/DIN 53283
	>= 18.0 MPa	>= 2610 psi	etched aluminum; ASTM D1002/DIN 53283
	>= 20.0 MPa	>= 2900 psi	grit blasted steel; ASTM D1002/DIN 53283
	>= 22.0 MPa	>= 3190 psi	rubbers; ASTM D1002/DIN 53283
	18.0 - 28.0 MPa	2610 - 4060 psi	tensile; ASTM D1002/DIN 53283
	>= 25.0 MPa	>= 3630 psi	wood; ASTM D1002/DIN 53283

Thermal Properties	Metric	English	Comments
CTE, linear	162 µm/m-°C	90.0 µin/in-°F	
Thermal Conductivity	0.100 W/m-K	0.694 BTU-in/hr-ft ² -°F	ASTM C177
Melting Point	160 - 170 °C	320 - 338 °F	
Maximum Service Temperature, Air	80.0 °C	176 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	
Glass Transition Temp, Tg	50.0 °C	122 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	24.6 kV/mm	625 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	0.016667 - 0.33333 min	0.00027778 - 0.0055555 hour	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	1440 min	24.0 hour	full cure
	@Temperature 24.0 °C	@Temperature 75.2 °F	

Descriptive Properties	Value	Comments
Gap Filling	0.2mm	

Contact Songhan Plastic Technology Co.,Ltd.

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