

BCC Products BC 100 Thick Cyanoacrylate Adhesive

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

Material Notes:

BC100 Thick is the slow and thickest member of the BCC Products line of cyanoacrylate adhesive. Excellent for gap filling the BC100 Thick has a 30 second fixture time allowing for the material to fill voids and bonding areas. Bonds well to a variety of substrates and materials, formulated especially to plastics, metals and elastomers. Perfect for bonding rough and irregular surfaces and applications requiring up to 15 seconds of alignment and work time. BONDING SCHEDULES: Steel: 25-35 seconds, ABS: 10-30 seconds, Neoprene:

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Brookfield Viscosity	1500 cP @Temperature 25.0 °C	1500 cP @Temperature 77.0 °F	Brookfield LVF, Spindle 1-60 RPM

Mechanical Properties	Metric	English	Comments
Shear Strength	5.00 - 10.0 MPa	725 - 1450 psi	polycarbonate; ASTM D1002/DIN 53283
	6.00 - 9.03 MPa	870 - 1310 psi	PVC; ASTM D1002/DIN 53283
	8.00 - 14.0 MPa	1160 - 2030 psi	ABS; ASTM D1002/DIN 53283
	10.0 - 15.0 MPa	1450 - 2180 psi	neoprene rubber; ASTM D1002/DIN 53283
	10.0 - 15.0 MPa	1450 - 2180 psi	acrylics; ASTM D1002/DIN 53283
	15.0 - 22.0 MPa	2180 - 3190 psi	tensile; 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	51.7 °C	125 °F	

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

Processing Properties	Metric	English	Comments
Cure Time	0.083333 - 0.583333 min	0.0013889 - 0.00972222 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	0.45mm	

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