

BCC Products BC 100 Thin Cyanoacrylate Adhesive

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

Material Notes:

BC100 Thin is a low viscosity material ideal for bonding larger areas. BC100 Thin has a 20 second fixture cure and able to fill gaps of .002" wide. BC100 Thin is perfectly designed for bonding plastic parts and other substrates like Stainless Steel, Neoprene and ABS and even Nitrile Rubber. BONDING SCHEDULES: Stainless Steel: 10-20 seconds, ABS: 10-20 seconds, Polycarbonate: 20-40 seconds, PVC: 20-50 seconds, Neoprene: < 5 seconds, Phenolics: 10-20 seconds, PVC: < 5 seconds, Nitrile Rubber: 5 – 7 seconds Information provided by BCC Products, Inc.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Brookfield Viscosity	2.0 - 5.0 cP @Temperature 25.0 °C	2.0 - 5.0 cP @Temperature 77.0 °F	Brookfield LVF, Spindle 1-60 RPM

Mechanical Properties	Metric	English	Comments
Shear Strength	3.00 - 9.03 MPa	435 - 1310 psi	PVC; ASTM D1002/DIN 53283
	5.00 - 10.0 MPa	725 - 1450 psi	polycarbonate; 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	etched aluminum; ASTM D1002/DIN 53283
	14.0 - 22.0 MPa	2030 - 3190 psi	grit blasted steel; ASTM D1002/DIN 53283
	15.0 - 26.0 MPa	2180 - 3770 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	120 °C	248 °F	

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

Processing Properties	Metric	English	Comments
Cure Time	0.0800 - 0.33333 min	0.00133 - 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	.05mm	

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