

# BCC Resins BC 100 Thick

Ethylene Acrylate Copolymer

BCC Products Inc.

## Message:

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: <5 seconds
- PVC: 10-30 seconds
- Aluminum: 10-20 seconds
- Phenolics: 10-15 seconds
- Polycarbonate: 15-20 seconds
- Nitrile Rubber: 5-7 seconds

General Information			
Features	Bondability		
Uses	Bonding		
Appearance	Clear/Transparent		
Forms	Liquid		
Mechanical	Nominal Value	Unit	Test Method
Shear Strength			
-- <sup>1</sup>	6.00 to 9.00	MPa	ASTM D1002
-- <sup>2</sup>	10.0 to 15.0	MPa	ASTM D1002
-- <sup>3</sup>	5.00 to 10.0	MPa	ASTM D1002
--	15.0 to 22.0	MPa	ASTM D732
-- <sup>4</sup>	8.00 to 14.0	MPa	ASTM D1002
-- <sup>5</sup>	10.0 to 15.0	MPa	ASTM D1002
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	125	°C	ASTM E228
Melting Temperature	160 to 170	°C	
CLTE - Flow	9.0E-5	cm/cm/°C	ASTM D696
Thermal Conductivity	0.10	W/m/K	ASTM C177
Service Temperature	-60 to 80	°C	
Gap Filling	450.0	µm	
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	25	kV/mm	ASTM D149
Thermoset	Nominal Value	Unit	Test Method
Thermoset Mix Viscosity <sup>6</sup> (25°C)	1500	cP	ASTM D2393
Post Cure Time	24	hr	
NOTE			
1.	PVC		

2.	Acrylics
3.	Polycarbonate
4.	ABS
5.	Neoprene Rubber
6.	Brookfield LVF, Spindle 1-60 rpm

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#### Recommended distributors for this material

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