

# BCC Resins BC 100 Medium

Ethylene Acrylate Copolymer

BCC Products Inc.

## Message:

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: <3 seconds

Wood: 1-5 seconds

Leather: 5-15 seconds

Metals: < 5 seconds

Ceramics: 10-20 seconds

General Information			
Features	Bondability Medium Viscosity		
Uses	Bonding		
Appearance	Clear/Transparent		
Forms	Liquid		
Mechanical	Nominal Value	Unit	Test Method
Shear Strength			
-- <sup>1</sup>	> 18.0	MPa	ASTM D1002
-- <sup>2</sup>	> 12.0	MPa	ASTM D1002
-- <sup>3</sup>	> 10.0	MPa	ASTM D1002
-- <sup>4</sup>	> 25.0	MPa	ASTM D1002
--	18.0 to 28.0	MPa	ASTM D732
-- <sup>5</sup>	> 20.0	MPa	ASTM D1002
-- <sup>6</sup>	> 22.0	MPa	ASTM D1002
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	122	°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	200.0	µm	
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	25	kV/mm	ASTM D149
Thermoset	Nominal Value	Unit	Test Method
Thermoset Mix Viscosity <sup>7</sup> (25°C)	80.0 to 120	cP	ASTM D2393
Post Cure Time	24	hr	

## NOTE

1.	Etched Aluminum
2.	Polycarbonate
3.	ABS
4.	Wood
5.	Grit Blasted Steel
6.	Rubber
7.	Brookfield LVF, Spindle 1-60 rpm

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## Recommended distributors for this material

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