

# BCC Resins BC 100 Thin

Ethylene Acrylate Copolymer

BCC Products Inc.

## Message:

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

General Information			
Features	Bondability		
	Low Viscosity		
Uses	Adhesives		
	Bonding		
Appearance	Clear/Transparent		
Forms	Liquid		
Mechanical	Nominal Value	Unit	Test Method
Shear Strength			
-- <sup>1</sup>	3.00 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 26.0	MPa	ASTM D732
-- <sup>4</sup>	14.0 to 22.0	MPa	ASTM D1002
-- <sup>5</sup>	10.0 to 15.0	MPa	ASTM D1002
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	120	°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	50.0	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)	2.00 to 5.00	cP	ASTM D2393
Post Cure Time	24	hr	
NOTE			
1.	PVC		
2.	Etched Aluminum		
3.	Polycarbonate		
4.	Grit Blasted Steel		
5.	Neoprene Rubber		
6.	Brookfield LVF, Spindle 1-60 rpm		

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Recommended distributors for this material


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