

# BCC Resins BC 9020

Silicone

BCC Products Inc.

## Message:

BC 9020 is a violet colored, two-component, flowable compound that, regardless of thickness or confinement, cures at room temperature. The cured rubber is high strength and high tear with good elongation. In addition, BC 9020 features low viscosity, low durometer, and resistance to sulfur clays. BC 9020 is a mold making material designed for the manufacture of flexible molds. These rubber molds are recommended for the use in repetitive production of intricate shapes cast from epoxy or urethane resins. These molds are also used in the potting of electronic components and in protecting sensitive assemblies against thermal shock and vibration.

General Information			
Features	Good Tear Strength		
	High Elongation		
	High Strength		
	Low Viscosity		
Uses	Electrical/Electronic Applications		
	Molds/Dies/Tools		
Appearance	Violet		
Forms	Liquid		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.40	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	23		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	4.14	MPa	ASTM D638
Tensile Elongation (Break)	500	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	21.0	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 1.0		
Resin	Mix Ratio by Weight: 10		
Pot Life (24°C)	60	min	
Shelf Life (27°C)	26	wk	
Thermoset Mix Viscosity (25°C)	3.10E+6	cP	ASTM D2393
Demold Time (24°C)	480	min	

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