## BCC Resins BC 9060

## Silicone

BCC Products Inc.

## Message:

BC 9060 is a blue colored, two-component, flowable compound that, regardless of thickness or confinement, cures at room temperature or by application heat. The cured rubber is high strength and high tear with good elongation. BC9060 is a mold-making material recommended for repetitive production of intricate shapes cast in epoxy or urethane resins. It is also used in potting of electronic components and in protecting sensitive assemblies against thermal shock and vibration.

Features Good Tear Strength High Elongation High Strength  Uses Electrical/Electronic Applications Molds/Dise/Tools  Appearance Blue Forms Liquid Processing Method Casting  Physical Nominal Value Unit Test Method Specific Gravity 1.26 g/cm³ ASTM D792 Hardness Nominal Value Unit Test Method  Durometer Hardness (Shore A) 60 Unit Test Method  Durometer Hardness (Shore A) 60 Unit Test Method  Durometer Hardness (Shore A) 60 What ASTM D792  Hardness Nominal Value Unit Test Method  Tensile Strength 5.52 MPa ASTM D638  Tensile Elongation (Break) 200 % ASTM D638  Tensile Elongation (Break) 15.8 kN/m ASTM D638  Tensile Elongation (Break) 15.8 kN/m ASTM D624  Thermoset Nominal Value Unit Test Method  Tear Strength 15.8 kN/m ASTM D624  Thermoset Omponents  Hardener Mik Ratio by Weight: 1.0  Resin Mik Ratio by Weight: 1.0  Resin Mik Ratio by Weight: 1.0  Resin Mik Ratio by Weight: 1.0  Pot Life (24°C) 120 min	General Information			
High Strength   High Strengt	Features	Good Tear Strength		
		High Elongation		
Appearance         Blue           Forms         Liquid           Processing Method         Casting           Physical         Nominal Value         Unit         Test Method           Specific Gravity         1.26         g/cm³         ASTM D792           Hardness         Nominal Value         Unit         Test Method           Durometer Hardness (Shore A)         60         ASTM D2240           Mechanical         Nominal Value         Unit         Test Method           Tensile Strength         5.52         MPa         ASTM D638           Elastomers         Nominal Value         Unit         Test Method           Tear Strength         15.8         kN/m         ASTM D634           Elastomers         Nominal Value         Unit         Test Method           Tear Strength         15.8         kN/m         ASTM D624           Thermoset         Nominal Value         Unit         Test Method           Thermoset Components         Mix Ratio by Weight: 1.0         Test Method           Resin         Mix Ratio by Weight: 10         min           Pot Life (24°C)         120         min           Shelf Life (27°C)         26         wk		High Strength		
Appearance         Blue           Forms         Liquid           Processing Method         Casting           Physical         Nominal Value         Unit         Test Method           Specific Gravity         1.26         g/cm³         ASTM D792           Hardness         Nominal Value         Unit         Test Method           Durometer Hardness (Shore A)         60         ASTM D2240           Mechanical         Nominal Value         Unit         Test Method           Tensile Strength         5.52         MPa         ASTM D638           Elastomers         Nominal Value         Unit         Test Method           Tear Strength         15.8         kN/m         ASTM D634           Elastomers         Nominal Value         Unit         Test Method           Tear Strength         15.8         kN/m         ASTM D624           Thermoset         Nominal Value         Unit         Test Method           Thermoset Components         Mix Ratio by Weight: 1.0         Test Method           Resin         Mix Ratio by Weight: 10         min           Pot Life (24°C)         120         min           Shelf Life (27°C)         26         wk				
Appearance Blue Forms Liquid Processing Method Casting Physical Nominal Value Unit Test Method Specific Gravity 1.26 g/cm³ ASTM D792 Hardness Nominal Value Unit Test Method Durometer Hardness (Shore A) 60 Unit Test Method Durometer Hardness (Shore A) 60 Unit Test Method Description (Strength Strength S.52 MPa ASTM D638 Tensile Strength S.52 MPa ASTM D638 Tensile Elongation (Break) 200 % ASTM D638 Elastomers Nominal Value Unit Test Method Tear Strength 15.8 kN/m ASTM D638 Elastomers Nominal Value Unit Test Method Tear Strength 15.8 kN/m ASTM D634 Thermoset Components Hardener Mix Ratio by Weight: 1.0 Resin Mix Ratio by Weight: 1.0 Resin Mix Ratio by Weight: 1.0 Flort Life (24°C) 120 min	Uses	Electrical/Electronic Applications		
Forms         Liquid           Processing Method         Casting           Physical         Nominal Value         Unit         Test Method           Specific Gravity         1.26         g/cm³         ASTM D792           Hardness         Nominal Value         Unit         Test Method           Durometer Hardness (Shore A)         60         ASTM D2240           Mechanical         Nominal Value         Unit         Test Method           Tensile Strength         5.52         MPa         ASTM D638           Elastomers         Nominal Value         Unit         Test Method           Tear Strength         15.8         kN/m         ASTM D624           Thermoset         Nominal Value         Unit         Test Method           Thermoset Components         Wix         ASTM D624           Hardener         Mix Ratio by Weight: 1.0         Test Method           Resin         Mix Ratio by Weight: 10         Test Method           Pot Life (24°C)         120         min           Shelf Life (27°C)         26         wk		Molds/Dies/Tools		
Forms         Liquid           Processing Method         Casting           Physical         Nominal Value         Unit         Test Method           Specific Gravity         1.26         g/cm³         ASTM D792           Hardness         Nominal Value         Unit         Test Method           Durometer Hardness (Shore A)         60         ASTM D2240           Mechanical         Nominal Value         Unit         Test Method           Tensile Strength         5.52         MPa         ASTM D638           Elastomers         Nominal Value         Unit         Test Method           Tear Strength         15.8         kN/m         ASTM D624           Thermoset         Nominal Value         Unit         Test Method           Thermoset Components         Wix         ASTM D624           Hardener         Mix Ratio by Weight: 1.0         Test Method           Resin         Mix Ratio by Weight: 10         Test Method           Pot Life (24°C)         120         min           Shelf Life (27°C)         26         wk				
Processing Method Casting  Physical Nominal Value Unit Test Method Specific Gravity 1.26 Specific Gravity Unit Test Method Unit Unit Unit Unit Unit Unit Unit Unit	Appearance	Blue		
Physical         Nominal Value         Unit         Test Method           Specific Gravity         1.26         g/cm³         ASTM D792           Hardness         Nominal Value         Unit         Test Method           Durometer Hardness (Shore A)         60         ASTM D2240           Mechanical         Nominal Value         Unit         Test Method           Tensile Strength         5.52         MPa         ASTM D638           Elastomers         Nominal Value         Unit         Test Method           Tear Strength         15.8         kN/m         ASTM D624           Thermoset         Nominal Value         Unit         Test Method           Thermoset Components         Test Method         Test Method           Resin         Mix Ratio by Weight: 1.0         Test Method           Resin         Mix Ratio by Weight: 10         Test Method           Pot Life (24°C)         120         min           Shelf Life (27°C)         26         wk	Forms	Liquid		
Specific Gravity 1.26 g/cm³ ASTM D792 Hardness Nominal Value Unit Test Method Durometer Hardness (Shore A) 60	Processing Method	Casting		
Hardness Nominal Value Unit Test Method Durometer Hardness (Shore A) 60 Unit Test Method Mechanical Nominal Value Unit Test Method Tensile Strength 5.52 MPa ASTM D638 Tensile Elongation (Break) 200 % ASTM D638 Elastomers Nominal Value Unit Test Method Tear Strength 15.8 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) 120 min Shelf Life (27°C) 26 wk	Physical	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A) 60 Unit Test Method  Tensile Strength 5.52 MPa ASTM D638  Tensile Elongation (Break) 200 % ASTM D638  Elastomers Nominal Value Unit Test Method  Tear Strength 15.8 kN/m ASTM D624  Thermoset Nominal Value Unit Test Method  Tear Strength 15.8 kN/m ASTM D624  Thermoset Components  Hardener Mix Ratio by Weight: 1.0  Resin Mix Ratio by Weight: 10  Pot Life (24°C) 120 min  Shelf Life (27°C) 26 wk	Specific Gravity	1.26	g/cm³	ASTM D792
Mechanical         Nominal Value         Unit         Test Method           Tensile Strength         5.52         MPa         ASTM D638           Tensile Elongation (Break)         200         %         ASTM D638           Elastomers         Nominal Value         Unit         Test Method           Tear Strength         15.8         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         Wix Ratio by Weight: 10           Pot Life (24°C)         120         min           Shelf Life (27°C)         26         wk	Hardness	Nominal Value	Unit	Test Method
Tensile Strength 5.52 MPa ASTM D638 Tensile Elongation (Break) 200 % ASTM D638 Elastomers Nominal Value Unit Test Method Tear Strength 15.8 kN/m ASTM D624 Thermoset Components Hardener Mix Ratio by Weight: 1.0 Resin Mix Ratio by Weight: 10 Pot Life (24°C) 120 min Shelf Life (27°C) 26 wk	Durometer Hardness (Shore A)	60		ASTM D2240
Tensile Elongation (Break) 200 % ASTM D638  Elastomers Nominal Value Unit Test Method  Tear Strength 15.8 kN/m ASTM D624  Thermoset Components Hardener Mix Ratio by Weight: 1.0  Resin Mix Ratio by Weight: 10  Pot Life (24°C) 120 min  Shelf Life (27°C) 26 wk	Mechanical	Nominal Value	Unit	Test Method
Elastomers Nominal Value Unit Test Method  Tear Strength 15.8 kN/m ASTM D624  Thermoset Components Hardener Mix Ratio by Weight: 1.0  Resin Mix Ratio by Weight: 10  Pot Life (24°C) 120 min  Shelf Life (27°C) 26 wk	Tensile Strength	5.52	МРа	ASTM D638
Tear Strength 15.8 kN/m ASTM D624  Thermoset Components  Hardener Mix Ratio by Weight: 1.0  Resin Mix Ratio by Weight: 10  Pot Life (24°C) 120 min  Shelf Life (27°C) 26 wk	Tensile Elongation (Break)	200	%	ASTM D638
Thermoset Components Hardener Mix Ratio by Weight: 1.0 Resin Mix Ratio by Weight: 10 Pot Life (24°C) 120 min Shelf Life (27°C) 26 wk	Elastomers	Nominal Value	Unit	Test Method
Thermoset Components Hardener Mix Ratio by Weight: 1.0  Resin Mix Ratio by Weight: 10  Pot Life (24°C) 120 min  Shelf Life (27°C) 26 wk	Tear Strength	15.8	kN/m	ASTM D624
Hardener         Mix Ratio by Weight: 1.0           Resin         Mix Ratio by Weight: 10           Pot Life (24°C)         120         min           Shelf Life (27°C)         26         wk	Thermoset	Nominal Value	Unit	Test Method
Resin         Mix Ratio by Weight: 10           Pot Life (24°C)         120         min           Shelf Life (27°C)         26         wk	Thermoset Components			
Pot Life (24°C)         120         min           Shelf Life (27°C)         26         wk	Hardener	Mix Ratio by Weight: 1.0		
Shelf Life (27°C) 26 wk	Resin	Mix Ratio by Weight: 10		
	Pot Life (24°C)	120	min	
Thermoset Mix Viscosity (25°C) 100000 cP ASTM D2393	Shelf Life (27°C)	26	wk	
	Thermoset Mix Viscosity (25°C)	100000	сР	ASTM D2393

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