

BCC Resins BC 8782

Polyurethane Thermoset Elastomer

BCC Products Inc.

Message:

BC 8782 produces a high impact rigid 82 Shore D material that is commonly used to make clear or tinted castings of all kinds. When used at room temperature castings 1/8 " thick or larger can readily be cast. Castings that are less than 1/8 " thick generally require a mild post-cure.

General Information			
Features	Good Weather Resistance		
	High Clarity		
	High Impact Resistance		
	Low to No Odor		
Uses	Computer Components		
	Gears		
	Modeling Material		
	Wheels		
Appearance	Clear/Transparent		
Forms	Liquid		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.030	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	82		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	621	MPa	ASTM D638
Tensile Strength	32.4	MPa	ASTM D638
Tensile Elongation (Break)	8.5	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	73.9	°C	ASTM D648
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 85, Mix Ratio by Volume: 88		
Resin	Mix Ratio by Weight: 100, Mix Ratio by Volume: 100		
Pot Life (24°C)	12 to 14	min	
Thermoset Mix Viscosity (25°C)	650	cP	ASTM D2393
Demold Time (24°C)	360 to 480	min	

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