

# BJB Polyurethane WC-755 A/B

Polyurethane  
BJB Enterprises, Inc.

Message:

WC-755 A/B produces a 55 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 be readily cast. Castings that are less than 1/8" thick generally require a mild post-cure. This product may exhibit a slight yellowing or color change when exposed to direct UV light.

General Information			
Features	Good Weather Resistance		
	High Clarity		
	Low to No Odor		
Appearance	Clear/Transparent		
Forms	Liquid		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm <sup>3</sup>	ASTM D792
Specific Gravity			
Part A	1.077	g/cm <sup>3</sup>	ASTM D2566
Part B	1.027	g/cm <sup>3</sup>	
Shrinkage	0.40	%	
Gel Time	35.0	min	ASTM D2566
Work Time (25°C) <sup>1</sup>	20.0	min	
Brookfield Viscosity			
Mixed : 25°C	650 to 750	mPa · s	ASTM D2566
Part A : 25°C	550 to 650	mPa · s	
Part B : 25°C	740	mPa · s	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50 to 60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	96.5	MPa	ASTM D638
Tensile Strength (Yield)	19.2	MPa	ASTM D638
Tensile Elongation (Yield)	210	%	ASTM D638
Flexural Strength	2.00	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	52.5	kN/m	ASTM D624
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	460	J/m	ASTM D256
Thermoset	Nominal Value	Unit	
Thermoset Components			

Part A	Mix Ratio by Weight: 65, Mix Ratio by Volume: 62	
Part B	Mix Ratio by Weight: 100, Mix Ratio by Volume: 100	
Shelf Life	26	wk
NOTE		
1.	100g	

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#### Recommended distributors for this material

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