

# BJB Polyurethane WC-595 A/B

Polyurethane Thermoset Elastomer

BJB Enterprises, Inc.

Message:

WC-595 A/B is a two-part, clear, 90 Shore A polyurethane elastomer. It is recommended for use wherever a tough, flexible, permanently transparent elastomer is required. It can be easily tinted and will retain its color provided color stable colorants are used. WC-595 A/B does not contain MOCA, MDA or TDI. In addition to being an excellent castable product, it is an excellent solvent-free adhesive for bonding various plastic substrates.

General Information			
Features	Good Color Stability		
	Good Colorability		
	Good Flexibility		
	Good Toughness		
Uses	Adhesives		
	Bonding		
RoHS Compliance	RoHS Compliant		
Appearance	Clear/Transparent		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
-- <sup>1</sup>	1.03	g/cm <sup>3</sup>	ASTM D792
-- <sup>2</sup>	1.07	g/cm <sup>3</sup>	ASTM D792
Specific Volume	0.954	cm <sup>3</sup> /g	
Gel Time	20.0	min	
Work Time <sup>3</sup> (25°C)	15.0	min	
Molding Shrinkage - Flow	0.50	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	85 to 95		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	27.6	MPa	ASTM D412
Tensile Elongation (Break)	180	%	ASTM D412
Tear Strength	65.7	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Part A	Mix Ratio by Weight: 100, Mix Ratio by Volume: 95		
Part B	Mix Ratio by Weight: 90, Mix Ratio by Volume: 93		
Shelf Life	26	wk	
Thermoset Mix Viscosity			ASTM D2393

25°C <sup>4</sup>	350	cP
25°C <sup>5</sup>	2400	cP
25°C <sup>6</sup>	900	cP
Demold Time		
25°C <sup>7</sup>	240	min
25°C <sup>8</sup>	360	min
Post Cure Time (25°C)	120 to 170	hr

#### NOTE

1.	Part B
2.	Part A
3.	100g mass
4.	Part B, Brookfield
5.	Part A, Brookfield
6.	Mixed, Brookfield
7.	larger mass
8.	0.25 inch thickness

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#### Recommended distributors for this material

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