

# BJB Polyurethane TC-460 A/B

Polyurethane Thermoset Elastomer

BJB Enterprises, Inc.

Message:

TC-460 A/B is a multi-purpose elastomer system that can perform many functions. Product characteristics are:

Cures at room temperature to produce a strong, resilient elastomer

Easy to use

Exudate and volatile free

Maintains a dry, tack free surface after cure

General Information			
Appearance	Clear/Transparent		
	Yellow		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm <sup>3</sup>	ASTM D792
Specific Gravity			
Part A	1.087	g/cm <sup>3</sup>	ASTM D2566
Part B	1.017	g/cm <sup>3</sup>	
Shrinkage	0.80	%	
Demold Time (25°C)	6.0 to 8.0	hr	ASTM D2566
Gel Time	1.2	hr	
Work Time (25°C) <sup>1</sup>	30.0	min	
Brookfield Viscosity			
Mixed : 25°C	4.50	Pa · s	ASTM D2566
Part A : 25°C	15.0	Pa · s	
Part B : 25°C	1.00	Pa · s	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	55 to 65		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	1.48	MPa	ASTM D412
200% Strain	2.39	MPa	
300% Strain	2.94	MPa	
Tensile Strength (Yield)	11.6	MPa	ASTM D412
Tensile Elongation (Break)	1200	%	ASTM D412
Tear Strength	41.3	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	
Thermoset Components			
Part A	Mix Ratio by Weight: 100, Mix Ratio by Volume: 94		

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

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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