

BJB Polyurethane ST-3040 A/B

Polyurethane Thermoset Elastomer

BJB Enterprises, Inc.

Message:

ST-3040 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

General Information			
Features	Good Strength		
	Resilient		
Appearance	Translucent		
	Yellow		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Specific Gravity			
Part A : 25°C	1.047	g/cm ³	
Part B : 25°C	1.077	g/cm ³	
Gel Time	1.0	hr	
Work Time (25°C) ¹	30.0	min	
Brookfield Viscosity			
Mixed : 25°C	1.75	Pa · s	
Part A : 25°C	3.70	Pa · s	
Part B : 25°C	0.450	Pa · s	
Molding Shrinkage - Flow	0.60	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	38 to 42		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	0.689	MPa	
200% Strain	1.24	MPa	
300% Strain	1.55	MPa	
Tensile Strength (Yield)	> 5.27	MPa	ASTM D412
Tensile Elongation (Break)	> 1500	%	ASTM D412
Tear Strength ²	21.0	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	
Thermoset Components			
Part A	Mix Ratio by Weight: 100, Mix Ratio by Volume: 100		

Part B	Mix Ratio by Weight: 85, Mix Ratio by Volume: 83	
Shelf Life (25°C)	26	wk
Demold Time (25°C)	360 to 480	min
Post Cure Time (71°C)	16	hr
NOTE		
1.	100 g	
2.	Die C	

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