

BJB Polyurethane TC-440 A/B

Polyurethane Thermoset Elastomer

BJB Enterprises, Inc.

Message:

BJB Polyurethane TC-440 A/B is a Polyurethane Thermoset Elastomer (TSU) material. It is available in North America.

General Information			
Appearance	Translucent		
	Yellow		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Specific Gravity			
Part A	1.047	g/cm ³	
Part B	1.007	g/cm ³	
Shrinkage	0.30	%	ASTM D2566
Demold Time (25°C)	6.0 to 8.0	hr	
Gel Time	50.0	min	
Work Time (25°C) ¹	25.0	min	
Brookfield Viscosity			
Mixed : 25°C	3.44	Pa · s	
Part A : 25°C	3.92	Pa · s	
Part B : 25°C	0.890	Pa · s	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	35 to 45		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	0.634	MPa	ASTM D412
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	> 4.22	MPa	ASTM D412
Tensile Elongation (Break)	> 1700	%	ASTM D412
Tear Strength ²	28.4	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: 75, Mix Ratio by Volume: 78		
Shelf Life	26	wk	
NOTE			
1.	100g		
2.	Die C		

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