BJB Polyurethane F-32 A/B

Polyurethane Thermoset Elastomer

BJB Enterprises, Inc.

Message:

F-32 A/B has been designed to provide vastly improved tensile and tear strengths in comparison to the F-30 A/B system it supersedes. The F-32 A/B system is a production oriented fast gel and fast de-mold material. It features a working time which allows time to mix, vacuum de-gas, and pour air-free parts. F-32 A/B can be demolded in 2 - 3 hours at ambient temperature, depending on part size and configuration.

General Information			
Features	Fast Gel		
Appearance	Translucent		
	Yellow		
Forms	Liquid		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm³	ASTM D792
Specific Gravity			
Part A	1.087	g/cm³	
Part B	1.027	g/cm³	
Work Time (25°C) [1]	15.0	min	
Molding Shrinkage - Flow	0.40	%	ASTM D2566

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	27 to 37		ASTM D2240

Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	4.65	MPa	ASTM D412
Tensile Elongation (Break)	950	%	ASTM D412
Tear Strength	14.9	kN/m	ASTM D624

Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Part A	Mix Ratio by Weight: 100, Mix Ratio by Volume: 100		
Part B	Mix Ratio by Weight: 94, Mix Ratio by Volume: 100		
Shelf Life (24°C)	26	wk	
Thermoset Mix Viscosity			ASTM D2393
25°C [2]	1400	cP	
25°C [3]	500	cP	
25°C	1300	cP	
Demold Time (25°C)	120 to 180	min	
Post Cure Time (71°C)	16	hr	

NOTE			
1.	100 g mass		
2.	Part B		

3.   Part A

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