

# BJB Polyurethane F-55 A/B

Polyurethane Thermoset Elastomer

BJB Enterprises, Inc.

## Message:

The F-55 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-55 A/B can be demolded in as little as one hour depending on part size and configuration

General Information			
Features	Rapid solidification crystal point		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.30	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	55		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain	0.924	MPa	ASTM D412
200% strain	1.57	MPa	ASTM D412
300% strain	2.13	MPa	ASTM D412
Tensile Strength (Yield)	3.76	MPa	ASTM D412
Tensile Elongation (Break)	400	%	ASTM D412
Tear Strength	11.0	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Shelf Life (25°C)	26	wk	
Thermoset Mix Viscosity (25°C)	1150	cP	ASTM D2393
Demold Time (25°C)	60 - 120	min	
Post Cure Time (71°C)	16	hr	
Additional Information			

Mix ratio by weight: 45/100Mix ratio by volume: 41/100Work time, 100 g, 77°F: 6-7 minGel time: 8-9 min

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## Recommended distributors for this material

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