

BJB Polyurethane TC-962 A/B

Polyurethane Thermoset Elastomer

BJB Enterprises, Inc.

Message:

TC-962 A/B is a multi-purpose elastomer that can perform many functions. Typical product uses are:

- Mold fabrication
- Skin membranes for animated characters
- Bumpers and many types of urethane rubber parts
- Electrical potting and cable sealing applications
- Adhesive for high strength and resilient bonds

General Information			
Features	High strength		
	Elastic		
Uses	Electrical/Electronic Applications		
	Sealing device		
	Car anti-collision bar		
	artificial skin		
	Bonding		
	Adhesive		
	Mold/Mold/Tool		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm ³	ASTM D792
Viscosity-Mixed (cps) (25°C)	Semi-paste		ASTM D2393
Work Time ¹ (25°C)	15.0	min	
Cure Time	5.0 - 7.0	day	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	58 - 62		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	5.86	MPa	ASTM D412
Tensile Elongation (Break)	450	%	ASTM D412
Tear Strength	31.5	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	
Thermoset Components			
Component a	Mixing ratio by weight: 100, mixing ratio by capacity: 100		
Component B	Mixing ratio by weight: 100, mixing ratio by capacity: 100		
Shelf Life	26	wk	
Demold Time (25°C)	480 - 840	min	
Additional Information	Nominal Value	Unit	

In order to achieve maximum physical properties, a post cure with heat is required. BJB recommends 24 hours at ambient temperature, 77°F (25°C), followed by 16 hours at 160°F (71°C).

NOTE

1. 100g mass

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