

BJB Polyurethane TC-9460 A/B

Polyurethane Thermoset Elastomer

BJB Enterprises, Inc.

Message:

BJB Polyurethane TC-9460 A/B is a thermosetting polyurethane elastomer (TSU) material. This product is available in North America.

The main features of BJB Polyurethane TC-9460 A/B are:

- low viscosity
- Good toughness
- Impact resistance
- Wear-resistant
- Typical application areas include:
 - bag/lining
 - Mining applications

General Information			
Features	Ultra high toughness		
	Low viscosity		
	Impact resistance, high		
	Good wear resistance		
Uses	Abrasion Resistant Liners		
	Mining application		
Appearance	Amber		
	Clear/transparent		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	324	MPa	ASTM D638
Tensile Strength	33.1	MPa	ASTM D638
Tensile Elongation (Break)	330	%	ASTM D638
Flexural Modulus	276	MPa	ASTM D790
Flexural Strength	11.0	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	98.9	kN/m	ASTM D624
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	750	J/m	ASTM D256
Thermoset	Nominal Value	Unit	Test Method

Shelf Life (25°C)	26	wk	
Thermoset Mix Viscosity (25°C)	1700	cP	ASTM D2393
Demold Time (25°C)	240 - 300	min	
Post Cure Time (74°C)	16	hr	

Additional Information

The value listed as Mold Shrink, ASTM D955, was tested in accordance with ASTM D2566 Mix ratio by weight: 100/60 Mix ratio by volume: 100/60 Work time, 100 g, 77°F: 15 min Gel time: 25 min

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