

BJB Polyurethane LS-30 A/B

Polyurethane Thermoset Elastomer

BJB Enterprises, Inc.

Message:

- LS-30 A/B has been developed to provide greater tear strength and more durability than other BJB products in the 30-35 Shore A hardness range.
- Resists moisture absorption
- Low viscosity
- Very easy to use
- Cures at room temperature

General Information			
Features	Low hygroscopicity		
	Low viscosity		
	Good tear strength		
	Durability		
RoHS Compliance	RoHS compliance		
Appearance	Amber		
	Clear/transparent		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
-- ¹	1.03	g/cm ³	
-- ²	1.08	g/cm ³	
--	1.01	g/cm ³	ASTM D792
Shrinkage	0.90	%	ASTM D2566
Gel Time	30.0	min	
Work Time ³ (25°C)	25.0	min	
Cure Time (25°C)	5.0 - 7.0	day	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	28 - 32		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2.76	MPa	ASTM D412
Tensile Elongation (Break)	800	%	ASTM D412
Tear Strength	11.4	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Component a	Mixing ratio by weight: 45, mixing ratio by capacity: 42		
Component B	Mixing ratio by weight: 100, mixing ratio by capacity: 100		
Shelf Life	26	wk	

Thermoset Mix Viscosity			Brookfield
25°C ⁴	13500	cP	Brookfield
25°C ⁵	120	cP	Brookfield
25°C	500	cP	Brookfield
Demold Time (25°C)	960 - 1400	min	
Additional Information	Nominal Value	Unit	Test Method

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

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| 1. | Part B |
| 2. | Part A |
| 3. | 100g mass |
| 4. | Part A |
| 5. | Part B |

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