

# BJB Polyurethane PC-10

Polyurethane Thermoset Elastomer

BJB Enterprises, Inc.

Message:

PC-10 is set up as a three component liquid material system. When added in increased amounts, the "C" component takes the basic A/B mixture from the texture of an ordinary soft gumdrop to a jelly-like consistency. One of the most unusual, yet, important features of this product is that regardless of the consistency, PC-10 can bounce back to its original shape. The maximum amount of "C" that can be added is 200% to a total A/B mixture. This level of "C" produces a gel that has a sticky, pressure-sensitive adhesive type surface. This can be a desirable feature as it can keep the gel in place when it is used to fill a bladder or bag.

PRODUCT HIGHLIGHTS:

Resists moisture absorption and is moisture insensitive during handling

Non-foaming

Does not contain MOCA, MDA or TDI

Non corrosive and compatible with electrical components

Very easy to use

Cures at room temperature

General Information			
Features	Good Adhesion		
	Low Moisture Absorption		
	Non-Corrosive		
Uses	Adhesives		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.948	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.20	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	13 to 17		ASTM D2240
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Part A	Mix Ratio by Weight: 50		
Part B	Mix Ratio by Weight: 100		
Shelf Life (25°C)	26	wk	
Thermoset Mix Viscosity <sup>1</sup> (25°C)	150	cP	ASTM D2393
Demold Time <sup>2</sup> (25°C)	180	min	
Work Time <sup>3</sup> (25°C)	5.0 to 10.0	min	
Mixing Ratio - Part C	200.0	wt%	
Water Resistance <sup>4</sup> (25°C)	0.2	wt%	
NOTE			
1.	A/B		
2.	A/B		
3.	A/B, 100g mass		
4.	30 days		

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