

BJB Polyurethane PC-14 A/B-C

Polyurethane Thermoset Elastomer

BJB Enterprises, Inc.

Message:

PC-14 A/B-C is a low viscosity liquid, polyurethane gel system originally designed as a re-enterable encapsulant for telephone splice bundles and other cable enclosures. It features excellent wetting and penetration properties, and is compatible with all cable and splice components. PC-14 A/B-C is easily re-enterable by hand, or with minimal effort with tools.

PRODUCT HIGHLIGHTS:

Non-foaming, odorless

Does not contain MOCA, MDA, TDI or volatile ingredients

Non corrosive and compatible with plastic and metallic electrical components

Easy to use

Cures at room temperature

Easy re-entry and removal by hand of cured material if necessary

General Information			
Features	Low to No Odor		
	Low Viscosity		
	Non-Corrosive		
Uses	Cable Jacketing		
Appearance	Translucent		
	Yellow		
Forms	Liquid		
Processing Method	Encapsulating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			ASTM D792
-- ¹	0.930	g/cm ³	
-- ²	0.980	g/cm ³	
-- ³	0.990	g/cm ³	
-- ⁴	1.01	g/cm ³	
-- ⁵	1.02	g/cm ³	
Specific Volume			
A/B only	1.00	cm ³ /g	
A/B-60% C	1.05	cm ³ /g	
Gel Time			
A/B only	10.0 to 15.0	min	
A/B-60% C	20.0 to 25.0	min	
Work Time ⁶			
A/B only : 25°C	5.0 to 10.0	min	
A/B-60% C : 25°C	15.0 to 20.0	min	
Mixing Ratio - Part C	60.0	wt%	

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A ⁷	10 to 20		
Shore OO ⁸	40 to 50		
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Part A	Mix Ratio by Weight: 50		
Part B	Mix Ratio by Weight: 100		
Shelf Life	26	wk	
Thermoset Mix Viscosity			ASTM D2393
25°C ⁹	630	cP	
25°C ¹⁰	150	cP	
25°C ¹¹	30.0	cP	
25°C ¹²	200	cP	
25°C ¹³	400	cP	
Demold Time (25°C)	120 to 180	min	
NOTE			
1.	Part C		
2.	A/B-60% C		
3.	Part B		
4.	A/B only		
5.	Part A		
6.	100g mass		
7.	A/B only		
8.	A/B-60% C		
9.	Mixed (A/B only), Brookfield		
10.	Mixed (A/B - 60% C), Brookfield		
11.	Part C, Brookfield		
12.	Part A, Brookfield		
13.	Part B, Brookfield		

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