

BJB Polyurethane SP-301 A/B-4

Polyurethane Thermoset Elastomer

BJB Enterprises, Inc.

Message:

The SP-301 A/B-4 is a rigid, fire retardant polyurethane foam system that can be easily sprayed through foam dispensing units. This system provides good impact resistance and shear strength. Applications include thermal insulation of building walls, tanks, roofs, vessels, and pipes, as well as a component of molds and parts.

General Information			
Features	Flame Retardant		
	Good Impact Resistance		
Uses	Insulation		
Forms	Liquid		
Processing Method	Spraying		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
Part A	1.237	g/cm ³	
Part B	1.157	g/cm ³	
K (wear) Factor (25°C)	0.150		ASTM C177
Viscosity			
Part A : 25°C	250	mPa · s	
Part B : 25°C	600	mPa · s	
Flame Spread - HB	< 25.0		UL 94
Smoke Density - HB	< 450		UL 94
Cream Time (25°C)	3.0 to 4.0	sec	
Tack Free Time	11.0 to 13.0	sec	
Closed Cell Content	95	%	ASTM D2856
Cure Time (25°C)	3.0 to 4.0	hr	
Permeance	2.00 to 3.00	perm/in	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	0.345 to 0.414	MPa	ASTM D638
Compressive Strength	0.138 to 0.172	MPa	ASTM D1621
Shear Strength	0.241 to 0.276	MPa	ASTM D732
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Part A	Mix Ratio by Weight: 95, Mix Ratio by Volume: 100		
Part B	Mix Ratio by Weight: 100, Mix Ratio by Volume: 100		
Shelf Life	26	wk	

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