

BJB Polyurethane WC-565 A/B

Polyurethane Thermoset Elastomer

BJB Enterprises, Inc.

Message:

WC-565 A/B is a two-part, water clear, colorless aliphatic based polyurethane elastomer. It is recommended for use whenever a flexible, permanently transparent elastomer is required. It is UV light and oxidation resistant and can be easily tinted or pigmented to clean bright colors. WC-565 A/B does not contain MOCA, TDI or MDA. This product exhibits excellent fuel and oil resistance as well.

General Information			
Features	Fuel Resistant		
	High Clarity		
	Oil Resistant		
RoHS Compliance	RoHS Compliant		
Appearance	Clear/Transparent		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm ³	ASTM D792
Specific Gravity			
Part A : 25°C	1.067	g/cm ³	
Part B : 25°C	1.017	g/cm ³	
Gel Time	20.0	min	
Work Time (25°C) ¹	15.0	min	
Brookfield Viscosity			
Mixed : 25°C	1.10	Pa · s	
Part A : 25°C	4.73	Pa · s	
Part B : 25°C	0.310	Pa · s	
Molding Shrinkage - Flow	0.40	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	60 to 70		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	5.19	MPa	ASTM D412
Tensile Elongation (Break)	200	%	ASTM D412
Tear Strength ²	10.3	kN/m	ASTM D624
Electrical	Nominal Value		Test Method
Dielectric Constant (1 MHz)	3.48		ASTM D150
Dissipation Factor (1 MHz)	0.061		ASTM D150
Thermoset	Nominal Value	Unit	
Thermoset Components			
Part A	Mix Ratio by Weight: 100, Mix Ratio by Volume: 95		
Part B	Mix Ratio by Weight: 100, Mix Ratio by Volume: 100		

Shelf Life (25°C)	26	wk
Demold Time (25°C)	360 to 480	min
Post Cure Time (71°C)	16	hr

NOTE		
1.	100g mass	
2.	Die C	

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