

# BJB Polyurethane SC-89

Polyurethane Thermoset Elastomer

BJB Enterprises, Inc.

Message:

SC-89 can be used as a stretch coating for fabrics, latex, foam, rubber, and polyurethane elastomers such as SkinFlex. The SC-89 Series is a fully reacted, non-yellowing elastomeric urethane coating which dries by solvent evaporation.

General Information			
Features	Good Abrasion Resistance		
	Good Color Stability		
	Good Impact Resistance		
	High Elongation		
	High Gloss		
	High Strength		
	Low Temperature Flexibility		
	Solvent Resistant		
Forms	Liquid		
Processing Method	Coating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.910	g/cm <sup>3</sup>	ASTM D792
Viscosity	1.85	Pa · s	
Dry Time <sup>1</sup>			
25°C, 76.2 µm	3.0	min	
66°C, 76.2 µm	1.0	min	
Acid Resistance			
-- <sup>2</sup>	no effect		
-- <sup>3</sup>	no effect		
5% Acidic	sligh swelling and color change		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	3.86	MPa	
300% Strain	8.96	MPa	
Tensile Strength (Yield)	46.2	MPa	ASTM D412
Tensile Elongation (Break)	700	%	ASTM D412
Tear Strength			
-- <sup>4</sup>	87.6	kN/m	ASTM D624
Split	53	kN/m	ASTM D470
Thermoset	Nominal Value	Unit	
Shelf Life	52	wk	

## NOTE

- |    |                   |
|----|-------------------|
| 1. | wet film on glass |
| 2. | 5% Phosphoric     |
| 3. | 5% Hydrochloric   |
| 4. | Die C             |

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## Recommended distributors for this material

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