

BJB Polyurethane SC-92

Polyurethane Thermoset Elastomer

BJB Enterprises, Inc.

Message:

SC-92 is a water-based, aliphatic polyurethane coating designed to provide a final finish or paintable surface for various flexible polyurethane foams, elastomers, and latex products. It can also be used as an in-mold coating for casting or brushing polyurethane products behind.

- Product Highlights:
- Provides a uniform semi-gloss finish
 - Clear base is easy to tint or pigment
 - Excellent color retention
 - High elongation and tear resistance

| General Information | | | |
|----------------------------|-----------------------|---------|-------------|
| Features | Gloss, Medium | | |
| | Sprayable | | |
| | Good tear strength | | |
| | Good color stability | | |
| | Good coloring | | |
| | Extended tensile rate | | |
| | aliphatic | | |
| Uses | Coating application | | |
| Appearance | Clear/transparent | | |
| Processing Method | Coating | | |
| Physical | Nominal Value | Unit | |
| Specific Gravity | 1.03 | g/cm³ | |
| VOC Content | 10.0 | kg/m³ | |
| Solids Content | 45 | % | |
| Viscosity (25°C) | 125 | mPa · s | |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress | | | |
| 100% strain | 3.31 | MPa | |
| 200% strain | 4.69 | MPa | |
| 300% strain | 6.14 | MPa | |
| Tensile Strength (Yield) | 27.6 | MPa | ASTM D412 |
| Tensile Elongation (Break) | 750 | % | ASTM D412 |
| Thermoset | Nominal Value | Unit | |
| Shelf Life | 52 | wk | |
| Additional Information | | | |

The recommended method of applying SC-92 is by spraying with conventional spray gun. Brush coats may be used but spraying is more uniform. The recommended spray pressures with a conventional spray gun will normally range between 15 to 25 psi. When pigmented with BJB's 7100 Series water based pigments, 2 to 3 coats should be applied to achieve an opaque film. Surfaces should be clean and dry. A liquid dish soap and water solution is an effective surface cleaner. A primer like BJB's TC-89 will greatly increase adhesion to surface.

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