

50A / Antimicrobial / Antifungal

Tough, abrasion resistant polyester based urethane

Key Properties

- Excellent physical properties
- Free of mercury, MOCA or TDI
- Antimicrobial / Antifungal

Applications

- Formulated for room temperature hand-batch or vacuum assisted processing

Processing Properties

			Resin (Isocyanate)	Hardener (Polyol)
Mix ratio		pbw	61	100
		pbv	62	100
Density	ASTM D-792	g/cm ³	ca. 1.21	ca. 1.23
Viscosity at 77°F (25°C)	ASTM D-2393	cP	ca. 45	ca. 1,350

			Mixture
Mix viscosity at 77°F (25°C)	ASTM D-2393	cP	ca. 875
Gel time at 77°F (25°C)		min	10-15
Demold time at 77°F (25°C)		h	2-8

Cured / Mechanical Properties (approximate values)

Cure: 7 days at 77°F			Cure 1
Aspect	visual		Bronze
Density	ASTM D-792	g/cm ³	1.21
Shore hardness A	ASTM D-2240		45-55
Tensile strength	ASTM D-638	psi	400
Elongation at Break	ASTM D-638	%	150
Tear strength	ASTM D-624	pli	100
Linear shrinkage	ASTM D-2566	in/in	0.001-0.003

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Processing

The processing and material temperature should be between 68-77°F (20-25°C).

Formulated for hand-batch equipment or meter-mix equipment. It is recommended that dry nitrogen be used to protect the material from oxidizing and being moisture contaminated. IE-3254 may be inhibited by certain silicone rubbers. It is recommended that a sample be prepared to verify compatibility.

Agitate the hardener before use to ensure that the formula is homogeneous.

Packaging

IE-3254 Quart Kit	3.22 lbs.
IE-3254 1 Gal. Kit	12.88 lbs.
IE-3254 5 Gal. Kit	64.4 lbs.
IE-3254 Drum Kit	724.5 lbs.

Storage

Original containers should be kept tightly sealed and stored at ambient temperatures 59-86°F (15°C to 30°C). If properly stored the products have the shelf-life indicated on the product label.

Partly used containers should always be sealed appropriately and used up as soon as possible.

Handling Precautions

Good workplace ventilation is to be ensured during processing. At the same time, the employer's liability insurance association's industrial hygiene safety regulations regarding the handling of reaction resins and their hardeners are to be observed. Please take heed of the appropriate safety data sheets.
