

75A Low Viscosity

Flexible polyurethane / polyether based elastomer

Key Properties

- Excellent physical properties after RT cure
- Free of mercury, MOCA or TDI

Applications

- For hand-batch processing

Processing Properties

			Resin (Isocyanate)	Hardener (Polyol)
Mix ratio		pbw	95	100
		pbv	82	100
Density	ASTM D-792	g/cm ³	ca. 1.18	ca. 1.02
Viscosity at 77°F (25°C)	ASTM D-2393	cP	ca. 4,500	ca. 250

			Mixture
Mix viscosity at 77°F (25°C)	ASTM D-2393	cP	ca. 675
Gel time at 77°F (25°C)		min	30-60
Demold time at 77°F (25°C)		h	3-5

Cured / Mechanical Properties (approximate values)

Cure 1: 7 days at 77°F

			Cure 1
Aspect	visual		White
Density	ASTM D-792	g/cm ³	1.07
Shore hardness A	ASTM D-2240		70-80
Tensile strength	ASTM D-638	psi	800
Elongation at Break	ASTM D-638	%	140
Tear strength	ASTM D-624	pli	80
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).

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

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

Packaging

IE-3275 Quart Kit	3.9 lbs.
IE-3275 1 Gal. Kit	15.6 lbs.
IE-3275 5 Gal. Kit	78 lbs.
IE-3275 Drum Kit	877.5 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.
