

40A Polyether

Elastic polyether system

Key Properties

- Excellent physical properties after RT cure
- Free of mercury, MOCA or TDI
- Ideal for color matching due to its neutral color

Applications

- For hand-batch processing

Processing Properties

			Resin (Isocyanate)	Hardener (Polyol)
Mix ratio		pbw	100	95
		pbv	100	100
Density	ASTM D-792	g/cm ³	ca. 1.16	ca. 1.10
Viscosity at 77°F (25°C)	ASTM D-2393	cP	ca. 625	ca. 1,700

			Mixture
Mix viscosity at 77°F (25°C)	ASTM D-2393	cP	ca. 950
Gel time at 77°F (25°C)		min	20-30
Demold time at 77°F (25°C)		h	12-20

Cured / Mechanical Properties (approximate values)

Cure 1: 24 hours at 77°F + 16 hours at 150°F Cure 2: 7 days at 77°F			Cure 1	Cure 2
Aspect	visual		Off-white	Off-white
Density	ASTM D-792	g/cm ³	1.10	1.10
Shore hardness A	ASTM D-2240		32-42	32-42
Tensile strength	ASTM D-638	psi	505	900
Elongation at Break	ASTM D-638	%	400	600
Tear strength	ASTM D-624	pli	75	65
Linear shrinkage	ASTM D-2566	in/in	0.001-0.003	0.001-0.003

Processing

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

Due to the color variation with a component in the hardener, the color of the system may vary. The natural color is very light, and is easily pigmented to overcome any variation.

IE-3240 may be inhibited by certain silicone rubbers. It is recommended that a test sample be prepared to verify compatibility. However, we have verified that this material does cure well in Silicones, Inc. platinum and tin cured systems. Contact RAMPF Group Inc. for more information.

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

Packaging

IE-3240 Quart Kit	3.9 lbs.
IE-3240 1 Gal. Kit	15.6 lbs.
IE-3240 5 Gal. Kit	78 lbs.
IE-3240 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.
