

35A Translucent

Flexible polyurethane

Key Properties

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

Applications

- For hand-batch processing or vacuum assisted processing

Processing Properties

			Resin (Isocyanate)	Hardener (Polyol)
Mix ratio		pbw	100	100
		pbv	100	100
Density	ASTM D-792	g/cm ³	ca. 1.21	ca. 1.21
Viscosity at 77°F (25°C)	ASTM D-2393	cP	ca. 200	ca. 2,050

			Mixture
Mix viscosity at 77°F (25°C)	ASTM D-2393	cP	ca. 850
Gel time at 77°F (25°C)		min	10-15
Demold time at 77°F (25°C)		h	1-3

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		Translucent	Translucent
Density	ASTM D-792	g/cm ³	1.21	1.21
Shore hardness A	ASTM D-2240		30-40	30-40
Tensile strength	ASTM D-638	psi	250	200
Elongation at Break	ASTM D-638	%	360	150
Tear strength	ASTM D-624	pli	45	45
Linear shrinkage	ASTM D-2566	in/in	0.001-0.006	0.001-0.006

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

Due to variances in the raw materials that are used to manufacture this product, RAMPF Group Inc. will list the proper ratio of each manufactured batch and document this information **on the label**. Please follow the instructions given within the contents of **each specific batch** to ensure that you receive the desired cure and properties contained in this data bulletin. If you have questions about the listed ratio of your kit, contact your RAMPF Group Inc. representative.

Packaging

IE-3235 Quart Kit
IE-3235 1 Gal. Kit
IE-3235 5 Gal. Kit
IE-3235 Drum Kit

Will vary from batch to batch. Please see notes above.

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.
