

Rigid Open-Cell 4-5 Pound Foam

Rigid 4-5 pound polyurethane foam

Key Properties

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

Applications

- For hand-batch and meter-mix dispensing
- Safety helmet inserts, structural castings and taxidermy blanks

Processing Properties

			Resin (Isocyanate)	Hardener (Polyol)
Mix ratio		pbw	100	88
		pbv	100	96
Density	ASTM D-792	g/cm ³	ca. 1.24	ca. 1.13
Viscosity at 77°F (25°C)	ASTM D-2393	cP	ca. 100	ca. 675

			Mixture
Mix viscosity at 77°F (25°C)	ASTM D-2393	cP	ca. 250
Cream time at 77°F (25°C)		sec	15-25
Rise time at 77°F (25°C)		sec	50-70
Tack Free time at 77°F (25°C)		sec	60-80
Demold time at 77°F (25°C)		min	5-15

Cured Properties

Cure 1: 7 days at 77°F

			Cure 1
Aspect	visual		Light Tan
Density	ASTM D-792	g/cm ³	0.064-0.080
Density	ASTM D-792	lb/in ³	0.0023-0.0029
Density	ASTM D-792	lb/ft ³	4-5

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Processing

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

FM-7004 can be dispensed using drill mixing methods. It is recommended that a drill mixer be used to minimize large air bubble formation and keep the cell structure small and uniform. If hand mixing without a drill mixer, the cell structure at the surface will be porous. If pigment has been added to the hardener component, it will separate during storage.

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

Packaging

FM-7004 Quart Kit	3.76 lbs.
FM-7004 1 Gal. Kit	15.04 lbs.
FM-7004 5 Gal. Kit	75.2 lbs.
FM-7004 Drum Kit	846 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.
