

Rigid Open-Cell 5 Pound Foam

Rigid polyurethane foam

Key Properties

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

Applications

- For hand-batch and meter-mix processing
- To support models and taxidermy scenery where a white color is required

Processing Properties

			Resin (Isocyanate)	Hardener (Polyol)
Mix ratio		pbw	100	80
		pbv	100	83
Density	ASTM D-792	g/cm ³	ca. 1.20	ca. 1.16
Viscosity at 77°F (25°C)	ASTM D-2393	cP	ca. 100	ca. 1,285

			Mixture
Mix viscosity at 77°F (25°C)	ASTM D-2393	cP	ca. 300
Cream time at 77°F (25°C)		sec	40-60
Rise time at 77°F (25°C)		sec	120-150
Tack Free time at 77°F (25°C)		sec	180-240
Demold time at 77°F (25°C)		min	20-30

Cured Properties

Cure 1: 7 days at 77°F

			Cure 1
Aspect	visual		White
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-7050 can be dispensed using drill mixing methods. Use a high speed drill with a paint mixer attached and mix for ten seconds before pouring directly into the mold. Do not hand mix only, as the material does not receive the required shear and will not form the proper cell structure.

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

Packaging

FM-7050 Quart Kit	3.6 lbs.
FM-7050 1 Gal. Kit	14.4 lbs.
FM-7050 5 Gal. Kit	72 lbs.
FM-7050 Drum Kit	810 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.
