

Soft Open-Cell 4 Pound Foam

Open-cell polyurethane foam

Key Properties

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

Applications

- For hand-batch and meter-mix dispensing
- Theming props, medical model mannequins, training aids, arts and crafts, and more

Processing Properties

			Resin (Isocyanate)	Hardener (Polyol)
Mix ratio		pbw	45	100
		pbv	39	100
Density	ASTM D-792	g/cm ³	ca. 1.20	ca. 1.04
Viscosity at 77°F (25°C)	ASTM D-2393	cP	ca. 75	ca. 1,500

			Mixture
Mix viscosity at 77°F (25°C)	ASTM D-2393	cP	ca. 800
Cream time at 77°F (25°C)		sec	50-70
Rise time at 77°F (25°C)		sec	140-180
Tack Free time at 77°F (25°C)		min	15-25
Demold time at 77°F (25°C)		min	45-60

Cured Properties

Cure 1: 7 days at 77°F			Cure 1
Aspect	visual		White
Density	ASTM D-792	g/cm ³	0.048-0.080
Density	ASTM D-792	lb/in ³	0.0017-0.0029
Density	ASTM D-792	lb/ft ³	3-5

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

Use a high speed drill with paint mixer attached or hand mix with a spatula and mix for 10 to 15 seconds before directly pouring into the mold. To obtain quicker cycle times, preheat the mold to 120°F. Also the use of wax to release the foam from the mold is recommended.

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

Packaging

FM-7105-1 Quart Kit	2.90 lbs.
FM-7105-1 1 Gal. Kit	11.6lbs.
FM-7105-1 5 Gal. Kit	58 lbs.
FM-7105-1 Drum Kit	652.5 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.
