

## Soft Open-Cell 9 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
- Particularly suited for low volume production of arm rests and seat cushions

### Processing Properties

			Resin (Isocyanate)	Hardener (Polyol)
Mix ratio		pbw	100	100
		pbv	100	100
Density	ASTM D-792	g/cm <sup>3</sup>	ca. 1.08	ca. 1.08
Viscosity at 77°F (25°C)	ASTM D-2393	cP	ca. 1,100	ca. 900

			Mixture
Mix viscosity at 77°F (25°C)	ASTM D-2393	cP	ca. 1,000
Cream time at 77°F (25°C)		sec	50-70
Rise time at 77°F (25°C)		sec	ca. 180
Tack Free time at 77°F (25°C)		sec	225-255
Demold time at 77°F (25°C)		min	15-25

### Cured Properties

#### Cure 1: 7 days at 77°F

			Cure 1
Aspect	visual		Off-white
Density	ASTM D-792	g/cm <sup>3</sup>	0.144-0.192
Density	ASTM D-792	lb/in <sup>3</sup>	0.005-0.007
Density	ASTM D-792	lb/ft <sup>3</sup>	9-12

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### **Processing**

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

FM-7110 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.**

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### **Packaging**

FM-7110 Quart Kit	4 lbs.
FM-7110 1 Gal. Kit	16 lbs.
FM-7110 5 Gal. Kit	80 lbs.
FM-7110 Drum Kit	900 lbs.

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### **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.

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### **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.

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