

Rigid 25-30 PCF Foam

Rigid polyurethane foam

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Key Properties

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

Applications

- For hand-batch and meter-mix dispensing methods

Processing Properties

| | | | Resin (Isocyanate) | Hardener (Polyol) |
|--------------------------|-------------|-------------------|--------------------|-------------------|
| Mix ratio | | pbw | 100 | 97 |
| | | pbv | 100 | 100 |
| 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. 675 |

| | | | Mixture |
|-------------------------------|-------------|-----|---------|
| Mix viscosity at 77°F (25°C) | ASTM D-2393 | cP | ca. 250 |
| Cream time at 77°F (25°C) | | sec | 40-60 |
| Rise time at 77°F (25°C) | | sec | 90-150 |
| Tack Free time at 77°F (25°C) | | sec | 170-230 |
| 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 | 0.388-0.471 |
| Density | ASTM D-792 | lb/in ³ | 0.014-0.017 |
| Density | ASTM D-792 | lb/ft ³ | 25-30 |

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Processing

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

FM-7020 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 and resin before use to ensure that the formula is homogeneous.

Packaging

| | |
|--------------------|------------|
| FM-7020 Quart Kit | 3.94 lbs. |
| FM-7020 1 Gal. Kit | 15.76 lbs. |
| FM-7020 5 Gal. Kit | 78.8 lbs. |
| FM-7020 Drum Kit | 886.5 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.
