

## Flame Extinguish 80A

Tough, abrasion resistant elastomer

### Key Properties

- Excellent physical properties
- Free of mercury, MOCA or TDI
- Meets UL 94V0 specification

### Applications

Formulated for room temperature meter-mix dispensing systems and short mold cycle times

### Processing Properties

			Resin (Isocyanate)	Hardener (Polyol)
Mix ratio		pbw	53	100
		pbv	50	100
Density	ASTM D-792	g/cm <sup>3</sup>	ca. 1.28	ca. 1.21
Viscosity at 77°F (25°C)	ASTM D-2393	cP	ca. 600	ca. 1,200

			Mixture
Mix viscosity at 77°F (25°C)	ASTM D-2393	cP	ca. 1,000
Gel time at 77°F (25°C)		min	10-15
Demold time at 77°F (25°C)		h	3-5

### Cured / Mechanical Properties (approximate values)

Cure: 7 days at 77°F			Cure
Aspect	visual		White
Density	ASTM D-792	g/cm <sup>3</sup>	1.21
Shore hardness A	ASTM D-2240		75-85
Tensile strength	ASTM D-638	psi	1,200
Elongation at break	ASTM D-638	%	90
Tear strength	ASTM D-624	pli	125
Linear shrinkage	ASTM D-2566	in/in	0.001-0.005

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### Processing

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

For best results, de-air the material prior to casting.

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

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### Packaging

FX-8031 Quart Kit	3.06 lbs.
FX-8031 1 Gal. Kit	12.24 lbs.
FX-8031 5 Gal. Kit	61.2 lbs.
FX-8031 Drum Kit	688.5 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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