

Flame Extinguish 70A

Tough, abrasion resistant elastomer

Key Properties

- Excellent physical properties
- Free of mercury, MOCA or TDI
- Meets UL 94V2 specification

Applications

- For room temperature hand-batch processing

Processing Properties

			Resin (Isocyanate)	Hardener (Polyol)
Mix ratio		pbw	100	100
		pbv	94	100
Density	ASTM D-792	g/cm ³	ca. 1.13	ca. 1.06
Viscosity at 77°F (25°C)	ASTM D-2393	cP	ca. 2,150	ca. 1,500

			Mixture
Mix viscosity at 77°F (25°C)	ASTM D-2393	cP	ca. 1,950
Gel time at 77°F (25°C)		min	20-25
Demold time at 77°F (25°C)		h	8-10

Cured / Mechanical Properties (approximate values)

Cure: 7 days at 77°F			Cure
Aspect	visual		Black
Density	ASTM D-792	g/cm ³	1.06
Shore hardness A	ASTM D-2240		65-75
Tensile strength	ASTM D-638	psi	1,175
Elongation at break	ASTM D-638	%	250
Tear strength	ASTM D-624	pli	100
Linear shrinkage	ASTM D-2566	in/in	0.001-0.004

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

For best results, de-air the material prior to casting. FX-8072 may be inhibited by certain silicone rubbers.

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

Packaging

FX-8072 Quart Kit	4 lbs.
FX-8072 1 Gal. Kit	16 lbs.
FX-8072 5 Gal. Kit	80 lbs.
FX-8072 Drum Kit	900 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.
