

Innothane®

Product Name

**InnoFR™ FX-8071
Flame Extinguish 70A**

Description

FX-8071 is a flexible polyurethane formulated for room temperature hand-batch systems. Excellent physical properties can be obtained without the utilization of mercury, MOCA, or TDI. FX-8071 meets the criteria to pass UL 94VO.

Physical Properties

Mix Ratio	Resin:Hardener (parts by weight)	39:100		
Mix Ratio	Resin:Hardener (parts by volume)	37:100		
Viscosity (cps@77°F)	Resin	320	Gel Time	12.5 ± 2.5 Minutes
	Hardener	1850	Demold Time*	3 ± 1 Hours
	Mixed	1850	Color	White
Specific Gravity (g/cc)	Resin	1.3	* Demold time is always mass dependant	
	Hardener	1.22		



Cured Properties

Cure 1 ► 7 days at 77°F

	Method	Cure 1
Hardness (shore A)	ASTM D-2240	70 ± 5
Tensile Strength (psi)	ASTM D-638	600
Elongation at Break	ASTM D-638	150%
Tear Strength (pli)	ASTM D-624	86
Linear Shrink (in./in.)	ASTM D-2566	.001-.005
Specific Gravity (g/cc)		1.30

Processing Notes

For best results, de-air the material prior to casting, then pressurize to 60 psi until cured. The resin contains a filler which will settle from solution. It is important that it must be shaken **before** each use. To reduce demold times, cast into preheated molds and place the filled tool in an oven set to 150°F. Remove the mold from heat and allow to cool for fifteen minutes prior to demold. Post curing of this material will not advance cured properties any further than the 7 day numbers indicated.

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

<u>Kit Weights</u>	Quart Kit	1 Gal. Kit	5 Gal. Kit	Drum Kit
	2.78 lbs.	11.12 lbs.	55.6 lbs.	625.5 lbs.

Safety and Handling

DO NOT USE UNTIL MSDSs HAVE BEEN READ AND UNDERSTOOD. Store containers in a dry location. Partially used containers should be blanketed with dry nitrogen to prevent moisture contamination. Moisture will react with the resin component, creating carbon dioxide gas and a possible pressure increase in the container.

SPECIFICATION WRITERS: The above values are meant to represent typical properties only. Users are encouraged to qualify products in their own laboratories prior to specification publication.

PURCHASER has the responsibility for determining any applicability of and compliance with federal, state, and local laws concerning labeling, use, and waste disposal, particularly in making consumer items. Innovative Polymers, Inc. makes no warranty, expressed or implied, for merchantability or fitness of use. The sole liability of Innovative Polymers, Inc. for any claim arising out of the manufacture, use, or sale of its products shall be the buyers purchase price.