



Innothane®

Product Name

**InnoFR™ FX-8061
Flame Extinguish 60A**

Description

FX-8061 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-8061 meets the criteria to pass UL 94VO.

Physical Properties

| | | | | |
|-----------------------------------|----------------------------------|---------------|--|--------------------|
| Mix Ratio | Resin:Hardener (parts by weight) | 36:100 | | |
| Mix Ratio | Resin:Hardener (parts by volume) | 33:100 | | |
| Viscosity (cps@77°F) | Resin | 320 | Gel Time | 12.5 ± 2.5 Minutes |
| | Hardener | 1300 | Demold Time* | 3 ± 1 Hours |
| | Mixed | 1300 | Color | White |
| Specific Gravity (g/cc) | Resin | 1.3 | * Demold time is always mass dependant | |
| | Hardener | 1.21 | | |



Cured Properties

Cure1 ▶ 7 Days at 77°F

| | Method | Cure 1 |
|--------------------------------|-------------|-----------|
| Hardness (shore A) | ASTM D-2240 | 60 ± 5 |
| Tensile Strength (psi) | ASTM D-638 | 525 |
| Elongation at Break | ASTM D-638 | 180% |
| Tear Strength (pli) | ASTM D-624 | 75 |
| Linear Shrink (in./in.) | ASTM D-2566 | .001-.005 |
| Specific Gravity (g/cc) | | 1.28 |

Processing Notes

For best results, de-air the material prior to casting, then pressurize to 60 psi until cured. The resin and hardener contain 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 |
|--------------------|------------------|-------------------|-------------------|-----------------|
| | 2.72 lbs. | 10.88 lbs. | 54.4 lbs. | 612 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.

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