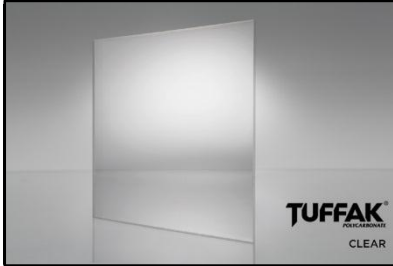




TUFFAK® LF

Polycarbonate, UV Stabilized, Flammability Rating V-0, FAR25.853



** TUFFAK® LF is the registered trademark of

PLASKOLITE

PRODUCT CAPABILITIES:

- Thickness: 2mm, 3mm, 4.75mm
- Size: 48" x 96"

ADVANTAGES:

- Polished surface
- UV stabilized
- Flame retardant grade UL94 V-0
- Meets FAR25.853
- Outstanding impact strength
- Superior dimensional stability
- High temperature resistance
- High clarity

PRODUCT COLORS:

- Clear

APPLICATIONS INCLUDE:

- Electrical devices
- Equipment housings
- Switchgear covers
- Light fixtures

| GENERAL PROPERTIES | ASTM or UL Test | TUFFAK LF Typical Values |
|--|------------------------|--------------------------|
| PHYSICAL | | |
| Specific Gravity (g/cm ³) | D792 | 1.20 |
| Water Absorption, 24 hrs (%) | D570 | - |
| MECHANICAL | | |
| Tensile Strength, Yield (psi) | D638 | 9,500 |
| Tensile Modulus (psi) | D638 | - |
| Tensile Elongation at Break (%) | D638 | - |
| Flexural Strength (psi) | D790 | 13,500 |
| Flexural Modulus (psi) | D790 | - |
| Compressive Strength (psi) | D695 | 12,500 |
| Compressive Modulus | D695 | 345,000 |
| Izod Impact Strength, Unnotched @ 0.125" (ft-lb / in) | D256 | 60 (No break) |
| Hardness, Rockwell | D785 | - |
| THERMAL | | |
| Coeff. of Thermal Expansion (in/in/°F) | D696 | 3.75 x 10 ⁻⁵ |
| Coeff. of Thermal Conductivity (BTU-in/ft ² -hr-°F) | C177 | - |
| Heat Deflection Temp (°F) @ 264 psi | D648 | 270 |
| Heat Deflection Temp (°F) @ 66 psi | D648 | 280 |
| FLAMMABILITY | | |
| Flame Class @ 0.080" | UL94 | V-0 |
| FAA Flammability | FAR25.853 | |
| @ 0.080" – 0.250" | Part 1, a(i) – 60 sec | Pass |
| @ 0.080" – 0.250" | Part 1, a(ii) – 12 sec | Pass |

NOTE: The information contained herein is typical values intended for reference only. They should NOT be used as a basis for design specifications or quality control.

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