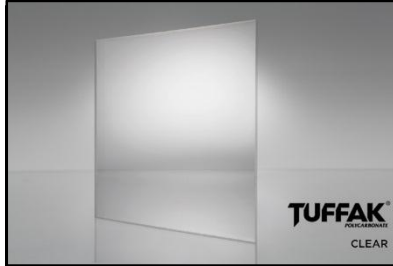




# TUFFAK® GP-V

Polycarbonate, UV Stabilized, Flammability Rating V-0



\*\* TUFFAK® GP-V is the registered trademark of

## PLASKOLITE

### PRODUCT CAPABILITIES:

- Thickness: 5.59mm
- Size: 48" x 96"

### ADVANTAGES:

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

### PRODUCT COLORS:

- Clear

### APPLICATIONS INCLUDE:

- Industrial parts & components of electrical devices requiring UL94
- V-rated performance, thermoformed & fabricated parts

GENERAL PROPERTIES	ASTM or UL Test	TUFFAK GP-V Typical Values
<b>PHYSICAL</b>		
Specific Gravity (g/cm <sup>3</sup> )	D792	1.20
Water Absorption, 24 hrs (%)	D570	0.15
<b>MECHANICAL</b>		
Tensile Strength, Yield (psi)	D638	9,000
Tensile Modulus (psi)	D638	340,000
Tensile Elongation at Break (%)	D638	110
Flexural Strength (psi)	D790	13,500
Flexural Modulus (psi)	D790	345,000
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	M70/R118
<b>THERMAL</b>		
Coeff. of Thermal Expansion (in/in/°F)	D696	3.75 x 10 <sup>-5</sup>
Coeff. of Thermal Conductivity (BTU-in/ft <sup>2</sup> -hr-°F)	C177	1.35
Heat Deflection Temp (°F) @ 264 psi	D648	270
Heat Deflection Temp (°F) @ 66 psi	D648	280
<b>ELECTRICAL</b>		
Dielectric Constant @ 10 Hz	D150	2.96
Dielectric Constant @ 60 Hz	D150	3.17
Volume Resistivity (Ohm.cm)	D257	8.2 x 10 <sup>16</sup>
Dissipation Factor @ 60 Hz	D150	0.0009
<b>FLAMMABILITY</b>		
Flame Class @ 0.220"	UL94	V-0

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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