

SunGard FR

Polycarbonate

Product Description

SunGard® FR is a weatherable polycarbonate sheet that combines the impact strength of polycarbonate with outstanding ultra-violet (UV) stability. SunGard's unique properties make it the perfect choice for a variety of exterior sign applications. SunGard® FR is UL listed as UL746 F1 Suitable for Outdoor Use and all colors of SunGard® FR have a yellow card listing of UL94 V2.

Technical Properties

Property	Test Method	Value
Specific Gravity	ASTM D-792	1.2
Melt flow rate (300C/1.2kg)	ASTM D-1238	7.0 g/10min
Tensile Strength	ASTM D-638	8990 PSI
Tensile Elongation at yield	ASTM D-638	7.00%
Tensile elongation at Break	ASTM D-638	110%
Flex strength	ASTM D-790	13500 PSI
Flex Modulus	ASTM D790	339000 Psi
Notched Izod at 73F	ASTM D-256	17 ft-lb/in
Rockwell Hardenss R-scale	ASTM D-785	118
Heat Deflection Temperature at 264 psi	ASTM D-648	270 F
Vicat softening temperature	ASTM D-1525	309 F
CLTE	ASTM E-831	3.8 E-5 in/in/F
Flammability	UL94-V	Listed : UL94-V2 at 0.059"
Light Transmittance (100mil)	ASTM D-1003	88%
Haze (100mil)	ASTM D-1003	1%

**All values based on 0.125" unless otherwise stated*

For additional information, please contact Spartech at 800-677-4338 (800-67-SHEET), e-mail info@spartech.com or visit our website at www.spartech.com

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