

ULTRATUF™ SG

Polycarbonate
Spartech Plastics

Message:

Ultra Tuf SG, a UV-resistant grade of polycarbonate, combines the high impact strength, stiffness, and heat resistance of Ultra Tuf with greatly enhanced weatherability. Suitable for signs, exterior displays, and other demanding outdoor applications.

General Information			
Additive	UV stabilizer		
Features	Rigidity, high		
	Impact resistance, high		
	Good UV resistance		
	Good weather resistance		
	Heat resistance, high		
Uses	Displays		
	Outdoor application		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	62.1	MPa	ASTM D638
Flexural Modulus	2150	MPa	ASTM D790
Flexural Strength	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	850	J/m	ASTM D256
Instrumented Dart Impact (23°C)	67.8	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	127	°C	ASTM D648
CLTE - Flow	6.8E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Optical	Nominal Value		Test Method
Gardner Gloss	90		ASTM D523

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WECHAT