

S 1430SP60 Grey and Black

Property	ASTM Test Method	Typical Values ⁽¹⁾			
		U.S. Customary Units		SI Units	
		Value	Units	Value	Units
General					
Specific Gravity	D 792	1.54		1.54	
Filler Content		30	%	30	%
Mechanical					
Tensile Strength	D 638	14.2	kpsi	100	MPa
Tensile Modulus	D 638	1430	kpsi	10.0	GPa
Tensile Elongation at Break	D 638	1.5	%	1.5	%
Flexural Strength	D 790	22.2	kpsi	155	MPa
Flexural Modulus	D 790	1430	kpsi	10.0	GPa
Impact Strength- Notched Izod	D 256	0.84	ft-lb/in	45	J/m
Thermal					
DTUL at 264 psi (1.82 MPa)	D 648	333	°F	167	°C
Glass Transition Temp.	D 3482	369	°F	187	°C
Continuous Use Temperature ⁽³⁾	UL-746B	320	°F	160	°C
Coefficient of Linear Thermal Expansion	D 696	7.2	µin/in°F	13.1	µm/m°C
Electrical					
Dielectric Strength	D 149	481	V/mil	19	kV/mm
Volume Resistivity	D 257	>10 ¹⁶	ohm-cm	>10 ¹⁶	ohm-cm
Surface Resistivity	D 257	>10 ¹⁴	ohm/sq	>10 ¹⁴	ohm/sq
Comparative Tracking Index	D 3638	150	V	150	V
Arc Resistance	D 495	100	sec	100	sec
Glow Wire Test at 960°C	IEC 695	Conforms		Conforms	
Flammability					
Flammability at 1.5 mm (0.059")	UL 94	V-0		V-0	

⁽¹⁾ These properties has been determined from injection molded test specimen under ideal processing parameters and conditioned at 23+/- 2°C and 50%RH .

⁽²⁾ Measured with annealed specimen.

⁽³⁾ Expected

Approvals

UL Flammability

Product Safety and Emergency Service

For product safety information or a Material Safety Data Sheet on a product of Solvay Advanced Polymers

1 (800) 621-4557

1 (770) 772-8880 outside of U.S.

For information or help in an emergency such as a spill, leak, fire or explosion, call day or night:

Emergency Health Information

1 (800) 621-4590

1 (770) 772-5177 outside of U.S.

Emergency Spill Information

CHEMTREC 1 (800) 424-9300

**1 (703) 527-3887 outside of U.S.
collect calls accepted**

For Additional Information

Technical Service

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Customer Service

1 (800) 848-9744

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