

TECHNICAL DATA SHEET

Shuman Compound:

Polystyrene High Impact SP810 Utility Black, SP880 Grey

Offers this combination of properties:

UL recognized, Good impact strength, Easy processability

TYPICAL PROPERTIES

MECHANICAL PROPERTIES

	<u>VALUE</u>	<u>UNITS</u>	<u>TEST METHODS</u>
Izod Impact Strength (Notched, 1/8" Thick Specimen)	1.8 min.	FT-LBS/IN	ASTM D-256
Rockwell Hardness	60	L	ASTM D-785
Tensile Strength	4404	PSI	ASTM D-638

THERMAL PROPERTIES

Heat Deflection Temperature @ 264 PSI	167	deg. F	ASTM D-648
Vicat Softening Temperature	207	deg. F	ASTM D-1525
Coefficient of Linear Thermal Expansion	4.4 x 10 ⁻⁵	IN/IN/deg. F	ASTM D-696

FLAME RETARDANT PROPERTIES

Flame Class Rating 0.062" (1.57 mm) Thick Specimen	94 HB		UL 94
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OTHER PROPERTIES

Specific Gravity	1.05		ASTM D-792
Melt Flow Rate	6 (+/-2) 8 (+/-2) 10 (+/-2)	GM/10 MIN.	ASTM D-1238

SUGGESTED PROCESSING CONDITIONS

TEMPERATURE CONDITIONS:

400 - 440F

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