

## TECHNICAL DATA SHEET

### Shuman Compound:

Polystyrene High Impact 810 Utility Black, 880 Grey

### Offers this combination of properties:

Good impact strength, Easy processability

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## TYPICAL PROPERTIES

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### 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	102	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 <sup>-5</sup>	IN/IN/deg. F	ASTM D-696

### OTHER PROPERTIES

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

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## SUGGESTED PROCESSING CONDITIONS

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### TEMPERATURE CONDITIONS:

400 - 440F

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