

# SHUMAN COMPOUND: DATA SHEET

**DESCRIPTION: POLYSTYRENE MEDIUM IMPACT 811 BLACK, 881 GREY**

**OFFERS THIS COMBINATION OF PROPERTIES:  
EASY PROCESSABILITY, GOOD GLOSS, GOOD SURFACE APPEARANCE**

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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)	0.9 - 1.3	FT-LBS/IN	ASTM D-256
TENSILE STRENGTH	5200	PSI	ASTM D-638
ROCKWELL HARDNESS	60	L	ASTM D-785

### THERMAL PROPERTIES

HEAT DEFLECTION TEMPERATURE @ 264 PSI	190	°F	ASTM D-648
VICAT SOFTENING TEMPERATURE	210	°F	ASTM D-1525

### OTHER PROPERTIES

SPECIFIC GRAVITY	1.05		ASTM D-792
MELT FLOW RATE (RANGES)	4.0 - 6.9 7.0 - 9.9 10.0 - 12.9 13.0 - 15.9	GM/10 MIN.	ASTM D-1238

**SUGGESTED PROCESSING CONDITIONS: 400° - 440°F**

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