SHUMAN COMPOUND: DATA SHEET

DESCRIPTION: POLYSTYRENE HIGH IMPACT 810 BLACK, 880 GREY

OFFERS THIS COMBINATION OF PROPERTIES:
GOOD IMPACT STRENGTH, EASY PROCESSABILITY, GOOD SURFACE APPEARANCE

TYPICAL PROPERTIES

MECHANICAL PROPERTIES	VALUE	UNITS	TEST METHODS
IZOD IMPACT STRENGTH (NOTCHED, 1/8" THICK SPECIMEN)	1.8 MIN.	FT-LBS/IN	ASTM D-256
TENSILE STRENGTH	4404	PSI	ASTM D-638
ROCKWELL HARDNESS	60	L	ASTM D-785
THERMAL PROPERTIES			
HEAT DEFLECTION TEMPERATURE @ 264 PSI	167	°F	ASTM D-648
VICAT SOFTENING TEMPERATURE	207	°F	ASTM D-1525
COEFFICIENT OF LINEAR THERMAL EXPANSION	4.42 x 10-5	IN/IN/°F	ASTM D-696
OTHER PROPERTIES			
SPECIFIC GRAVITY	1.05		ASTM D-792
MELT FLOW RATE (RANGES)	6 (+/-2) 8 +/-2) 10 (+/-2)	GM/10 MIN.	ASTM D-1238

SUGGESTED PROCESSING CONDITIONS: 400° - 440°F

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