

TECHNICAL DATA SHEET

Shuman Compound:

Polystyrene High Impact 810 Utility Black, 880 Grey

Offers this combination of properties:

Good impact strength, Easy processability, Good surface appearance

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	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 ⁻⁵	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

SUGGESTED PROCESSING CONDITIONS

TEMPERATURE CONDITIONS:

400 - 440F

NOTICE: THE INFORMATION CONTAINED HEREIN IS BASED ON WHAT WE BELIEVE TO BE RELIABLE DATA, BUT SHUMAN PLASTICS, INC. MAKES NO WARRANTIES EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. BECAUSE SHUMAN HAS NO CONTROL OVER THE USE TO WHICH OTHERS MAY PUT THE PRODUCT, IT DOES NOT SUGGEST OR REPRESENT THAT THE SAME RESULTS AS THOSE REFERRED TO HEREIN WILL BE OBTAINED BY ANOTHER USER. EACH USER OF THE PRODUCT AND THE COMPOSITIONS MENTIONED HEREIN SHOULD MAKE HIS OWN TESTS PRIOR TO PURCHASE TO DETERMINE THE PRODUCT'S SUITABILITY FOR HIS OWN PARTICULAR USES.

NOTHING CONTAINED HEREIN IS TO BE CONSTRUED AS A RECOMMENDATION FOR THE USE IN VIOLATION OF ANY EXISTING PATENT, FOREIGN OR DOMESTIC, OR OF APPLICABLE LAWS AND REGULATIONS.

DATA SHOWN ARE THE AVERAGE RESULTS OF OUR OWN TESTS AND SHOULD NOT BE USED FOR SPECIFICATIONS

DOC REV 11/17