

# SHUMAN COMPOUND: DATA SHEET

**DESCRIPTION: ABS 710 UTILITY BLACK, 720 BLACK, 730 WHITE, 780 GREY**

**OFFERS THIS COMBINATION OF PROPERTIES:**

**GOOD IMPACT STRENGTH, EASY PROCESSABILITY, GOOD CHEMICAL RESISTANCE**

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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)	4.0 (+/- 0.5)	FT-LBS/IN	ASTM D-256
ROCKWELL HARDNESS	102	R	ASTM D-785

### THERMAL PROPERTIES

HEAT DEFLECTION TEMPERATURE @ 264 PSI	169	°F	ASTM D-648
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### OTHER PROPERTIES

SPECIFIC GRAVITY	1.04		ASTM D-792
MELT FLOW RATE	4 (+/-2)	GM/10 MIN.	ASTM D-1238

### SUGGESTED DRYING CONDITIONS:

	<u>TEMPERATURE °F</u>		<u>TIME (HOURS)</u>	
	<u>MIN.</u>	<u>MAX.</u>	<u>MIN.</u>	<u>MAX.</u>
DEHUMIDIFYING DRYER	190	200	2	24
TRAY DRYER	NOTE: DEPTH OF GRANULES IN TRAY DRYER SHOULD NOT EXCEED 1½ IN. (38.1 mm)		4	24

### SUGGESTED PROCESSING CONDITIONS:

**INJECTION:** 400° - 440°F  
**EXTRUSION:** 350° - 420°F

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