

# SHUMAN COMPOUND: DATA SHEET

**DESCRIPTION: POLYCARBONATE 910 UTILITY BLACK, 920 BLACK, 980 GREY, 930 WHITE, 900 CLEAR**

**OFFERS THIS COMBINATION OF PROPERTIES:**

GOOD IMPACT STRENGTH, EASY PROCESSABILITY, GOOD SURFACE GLOSS, GOOD HEAT RESISTANCE, EXCELLENT WEATHERABILITY, EXCELLENT COLOR STABILITY, SELF EXTINGUISHING

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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)	12	FT-LBS/IN	ASTM D-256
TENSILE STRENGTH	9500	PSI	ASTM D-638
ROCKWELL HARDNESS	70	M	ASTM D-785

**THERMAL PROPERTIES**

HEAT DEFLECTION TEMPERATURE @264 PSI	262	°F	ASTM D-648
VICAT SOFTENING TEMPERATURE	310	°F	ASTM D-1525

**FLAME-RETARDANT PROPERTIES**

FLAME CLASS RATING 0.062" (1.57 MM) THICK SPECIMEN	V 2		UL 94 *NOT LISTED
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**OTHER PROPERTIES**

SPECIFIC GRAVITY	1.2		ASTM D-792
MELT FLOW RATE	15-25	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	250	260	2-3	24
*TRAY DRYER - NOTE: DEPTH OF GRANULES IN TRAY DRYER SHOULD NOT EXCEED 1 IN. (25.4 MM)	250	260	4-6	24

**SUGGESTED PROCESSING CONDITIONS: 510° - 550°F**

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