

# SHUMAN COMPOUND: DATA SHEET

DESCRIPTION: PPO COPOLYMER 210 BLACK, CUSTOM COLORS

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)	3.0	FT-LBS/IN	ASTM D-256
TENSILE STRENGTH	7480	PSI	ASTM D-638

### THERMAL PROPERTIES

HEAT DEFLECTION TEMPERATURE @ 264 PSI	219	°F	ASTM D-648
VICAT SOFTENING TEMPERATURE	263	°F	ASTM D-1525

### OTHER PROPERTIES

SPECIFIC GRAVITY	1.09		ASTM D-792
MELT FLOW RATE	1.3	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	180	220	2	4
TRAY DRYER NOTE: DEPTH OF GRANULES IN TRAY DRYER SHOULD NOT EXCEED 1½ IN. (38.1)	180	220	2	4

### SUGGESTED PROCESSING CONDITIONS:

EXTRUSION: 380° - 430°

INJECTION: 430° - 500°

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