

SHUMAN COMPOUND: DATA SHEET

DESCRIPTION: PPO COPOLYMER 210 BLACK, CUSTOM COLORS

OFFERS THIS COMBINATION OF PROPERTIES:

GOOD IMPACT STRENGTH, EASY PROCESSABILITY, GOOD CHEMICAL RESISTANCE

TYPICAL PROPERTIES

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°

NOTICE: THE INFORMATION CONTAINED HEREIN IS BASED ON WHAT WE BELIEVE TO BE RELIABLE DATA, BUT SHUMAN MAKES NO WARRANTIES EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF 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.

REV01/03

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