

TECHNICAL DATA SHEET

Shuman Compound:

PC/ABS Alloy Flame Retardant FR310 Utility Black, FR380 Grey (formerly FR705)

Offers this combination of properties:

Excellent flame retardancy, Good impact strength, Easy processability, Good surface gloss, Good chemical resistance, Self-extinguishing

TYPICAL PROPERTIES

MECHANICAL PROPERTIES

	<u>VALUE</u>	<u>UNITS</u>	<u>TEST METHODS</u>
Izod Impact Strength (Notched, 1/8" Thick Specimen)	9 (+/-1.5)	FT-LBS/IN	ASTM D-256
Flex Modulus	350,000 (+/-30,000)	PSI	ASTM D-790
Tensile Strength	7000 (+/-1000)	PSI	ASTM D-638

FLAME RETARDANT PROPERTIES

Flame Class Rating 0.125" (3.22 mm) Thick Specimen	V0		UL 94 *not listed
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OTHER PROPERTIES

Specific Gravity	1.13		ASTM D-792
Melt Flow Rate	5 (+/-3)	GM/10 MIN.	ASTM D-1238

SUGGESTED PROCESSING CONDITIONS

DRYING CONDITIONS:

	<u>TEMPERATURE (deg. F)</u>		<u>TIME (HOURS)</u>	
	<u>MIN.</u>	<u>MAX.</u>	<u>MIN.</u>	<u>MAX.</u>
Dehumidifying Dryer	175	230	3	4

TEMPERATURE CONDITIONS:

460-530F

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