Resourceful. Responsive. Responsible. Since 1947.

TECHNICAL DATA SHEET

Shuman Compound:
Polycarbonate Flame Retardant FR910V0 Utility Black, FR980V0 Grey

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

MECHANICAL PROPERTIES	VALUE	UNITS	TEST METHODS
Izod Impact Strength (Notched, 1/8" Thick Specimen)	12	FT-LBS/IN	ASTM D-256
Rockwell Hardness	70	M	ASTM D-785
Tensile Strength	9500	PSI	ASTM D-638

THERMAL PROPERTIES			
Heat Deflection Temperature @ 264 PSI	262	deg. F	ASTM D-648
Vicat Softening Temperature	310	deg. F	ASTM D-1525

FLAME RETARDANT PROPERTIES			
Flame Class Rating 0.062" (1.57 mm) Thick Specimen	V-0/5VA		UL 94 *not listed

OTHER PROPERTIES			
Specific Gravity	1.2		ASTM D-792
Melt Flow Rate	10 (+/-2)	GM/10 MIN.	ASTM D-1238
	15 (+/-2)	GM/10 MIN.	
	20 (+/-2)	GM/10 MIN.	

SUGGESTED PROCESSING CONDITIONS

DRYING CONDITIONS:	TEMPERATURE (deg. F) MIN.	MAX.	TIME (HOURS) MIN.	MAX.
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

TEMPERATURE CONDITIONS:

510-550F