

## 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

### TYPICAL PROPERTIES

<u>MECHANICAL PROPERTIES</u>	<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
Rockwell Hardness	70	M	ASTM D-785
Tensile Strength	9500	PSI	ASTM D-638
<u>THERMAL PROPERTIES</u>			
Heat Deflection Temperature @ 264 PSI	262	deg. F	ASTM D-648
Vicat Softening Temperature	310	deg. F	ASTM D-1525
<u>FLAME RETARDANT PROPERTIES</u>			
Flame Class Rating 0.062" (1.57 mm) Thick Specimen	V-0/5VA		UL 94 *not listed
<u>OTHER PROPERTIES</u>			
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

<u>DRYING CONDITIONS:</u>	<u>TEMPERATURE (deg. 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

#### TEMPERATURE CONDITIONS:

510-550F

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