

TECHNICAL DATA SHEET

Shuman Compound:

Polycarbonate SP910 Utility Black, SP920 Black, SP980 Grey, SP930 White, and Custom Colors

Offers this combination of properties:

UL recognized, Good impact strength, Easy processability, Good surface gloss, Good heat resistance, Excellent weatherability, Excellent color stability, Self-extinguishing

MECHANICAL PROPERTIES Izod Impact Strength (Notched, 1/8" Thick Specimen)	<u>VALUE</u> 12	<u>UNITS</u> FT-LBS/IN	TEST METHODS 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	V2		UL 94				
Flame Class Rating, Weather Exposure	*F1						
0.062" (1.57 mm) Thick Specimen	V2		UL 746 C				
*F1- Suitable for outdoor use with respect to exposure to ultraviolet light, water exposure, and immersion in accordance with UL 746 C.							

TYPICAL PROPERTIES

OTHER PROPERTIES

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

DRYING CONDITIONS:		TEMPERATURE (deg. F)		TIME (HOURS)		
		MIN.	<u>MAX.</u>	<u>MIN.</u>	MAX.	
Dehumidifyir	ng 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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