

Shuman PC SP920

Polycarbonate
Shuman Plastics, Inc.

Message:

POLYCARBONATE SP920 BLACK
OFFERS THIS COMBINATION OF PROPERTIES:
GOOD IMPACT STRENGTH, EASY PROCESSABILITY, GOOD SURFACE GLOSS, GOOD HEAT RESISTANCE, EXCELLENT WEATHERABILITY, EXCELLENT COLOR STABILITY, SELF EXTINGUISHING, UL

General Information			
UL YellowCard	E80143-250600		
Features	Gloss, Medium		
	Impact resistance, good		
	Workability, good		
	Good color stability		
	Good weather resistance		
	Heat resistance, medium		
	Self-extinguishing		
Appearance	Black		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	15 - 25	g/10 min	ASTM D1238
Outdoor Suitability	f1		UL 746C
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	70		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	65.5	MPa	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	640	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	128	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525
Flammability	Nominal Value		Test Method
Flame Rating (1.57 mm)	V-2		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	121 - 127	°C
Drying Time	2.0 - 24	hr
Processing (Melt) Temp	266 - 288	°C

Injection instructions

Tray Dryer Drying Temperature, No Standard, 1.5 in: 250 to 260°F Tray Dryer Drying Time, No Standard, 1.5 in: 4 to 24hrs

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