

Shuman PC 920

Polycarbonate
Shuman Plastics, Inc.

Message:

POLYCARBONATE 920 BLACK
OFFERS THIS COMBINATION OF PROPERTIES:
GOOD IMPACT STRENGTH, EASY PROCESSABILITY, GOOD SURFACE GLOSS, GOOD HEAT RESISTANCE, EXCELLENT WEATHERABILITY, EXCELLENT COLOR STABILITY, SELF EXTINGUISHING

General Information			
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
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°FTray Dryer Drying Time, No Standard, 1.5 in: 4 to 24hrs		
Extrusion	Nominal Value	Unit
Drying Temperature	121 - 127	°C
Drying Time	2.0 - 24	hr
Melt Temperature	266 - 288	°C
Extrusion instructions		
Tray Dryer Drying Temperature, No Standard, 1.5 in: 250 to 260°FTray Dryer Drying Time, No Standard, 1.5 in: 4 to 24hrs		

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