

Shuman PC 910-05V0

Polycarbonate
Shuman Plastics, Inc.

Message:

POLYCARBONATE GLASS FILLED PC 910-05V0 UTILITY BLACK
OFFERS THIS COMBINATION OF PROPERTIES:
EASY PROCESSABILITY, HEAT RESISTANCE, WEATHERABILITY, COLOR STABILITY, SELF EXTINGUISHING, 5% GF FOR FOAM MOLDING

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 5.0% filler by weight		
Features	Workability, good		
	Good color stability		
	Good weather resistance		
	Heat resistance, medium		
	Self-extinguishing		
Appearance	Black		
Forms	Particle		
Processing Method	Foam extrusion molding		
	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	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)	138	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525
Flammability	Nominal Value		Test Method
Flame Rating (1.57 mm)	V-0		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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Recommended distributors for this material


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