

Shuman PPO 210

Polyphenylene Ether + PS

Shuman Plastics, Inc.

Message:

PPO COPOLYMER 210 BLACK, CUSTOM COLORS
OFFERS THIS COMBINATION OF PROPERTIES:
GOOD IMPACT STRENGTH, EASY PROCESSABILITY, GOOD CHEMICAL RESISTANCE

General Information			
Features	Copolymer		
	Impact resistance, good		
	Workability, good		
	Good chemical resistance		
Appearance	Black		
	Available colors		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	1.3	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	51.6	MPa	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	104	°C	ASTM D648
Vicat Softening Temperature	128	°C	ASTM D1525
Injection	Nominal Value	Unit	
Drying Temperature	82.2 - 104	°C	
Drying Time	2.0 - 4.0	hr	
Processing (Melt) Temp	221 - 260	°C	
Injection instructions			
Tray Dryer Drying Temperature, No Standard, 1.5 in: 180 to 220°FTray Dryer Drying Time, No Standard, 1.5 in: 2 to 4hrs			
Extrusion	Nominal Value	Unit	
Drying Temperature	82.2 - 104	°C	
Drying Time	2.0 - 4.0	hr	

Melt Temperature	193 - 221	°C
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Extrusion instructions

Tray Dryer Drying Temperature, No Standard, 1.5 in: 180 to 220°FTray Dryer Drying Time, No Standard, 1.5 in: 2 to 4hrs

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