

COPEnhance™ 7211 HS FR

COPEnhance™ 7211 HS FR is a flame retardant, heat stabilized, Shore 72D High Performance copolyester Elastomer designed for the following applications:
Cable & Wire Jackets, Insulation, hose & Tubing and Sheet.

No Minimum Order Quantity
No Lead Times to Ship

Physical Properties	Metric	English	Comments (Standards/Test Method?)
Specific Gravity	1.35 g/cc	1.35 g/cc	ASTM D792
Water Absorption,	0.3 % @ Temperature 23.0 °C, Time 86,400 sec	0.3 % Temperature 73.4 °C, Time 24.0 hours	ASTM D570
Max Moisture Content			
- Injection Molding	0.1	0.1	
- Extrusion Molding	0.1	0.1	
Mechanical Properties			
Hardness, Shore A	88	88	ASTM D2240
Tensile Strength at Break	45.1 MPa	2,500 PSI	ASTM D638
Elongation at Break	600+%	600+%	ASTM D638
Flexural Modulus	55 MPa	8 kpsi	ASTM D790
Izod Impact, Notched	NB (23C ⁰)	NB (23C ⁰)	ASTM D256
Electrical Properties			
Volume Resistivity	1.00x10 ¹³ Om-cm	1.00x10 ¹³ Om-cm	ASTM D257
Dielectric Strength	26.0 kV/mm @ Thickness 1.00mm	660 kV/in @ Thickness 0.0394 in	ASTM D149

Processing Properties			
Rear Barrel Temperature	°C	356°F	Injection Molding
Middle Barrel Temperature	190°C	374°F	Injection Molding
Front Barrel Temperature	200°C	392°F	Injection Molding
Nozzle Temperature	205°C	401°F	Injection Molding
Zone 1	180°C	356°F	Extrusion
Zone 2	190°C	374°F	Extrusion
Zone 3	200°C	392°F	Extrusion
Zone 4			
Adapter Temperature			
Die Temperature	205°C	401°F	Extrusion
Melt Temperature	210		

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Mold Temperature	43°C	110°F	Injection Molding
Drying Temperature	60-80°C	140-176°F	No Minimum Order Quantity No Lead Times to Ship
			Extrusion Molding
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Dry Time	3.00-4.00 hrs	3.00-4.00 hrs	Extrusion Molding
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