

COPEnhance™ 88A10 FR V0

COPEnhance™ 88A10 FR VO is a flame retardant, flexible heat stabilized, Shore 88A High Performance copolyester.

**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

Flammability			
UL 94 V0	Pass @ 1.5mm	Pass @ 1/16"	UL 94

Recommended Starting processing parameters			
Rear Barrel Temperature	220-240°C	428-464°F	Injection Molding
Middle Barrel Temperature	210-230°C	410-446°F	Injection Molding
Front Barrel Temperature	220-240°C	428-464°F	Injection Molding
Nozzle Temperature	220-240°C	428-464°F	Injection Molding
Melt Temperature	220-240°C	428-464	Injection Molding
Mold Temperature	43°C	110°F	Injection Molding
Drying Temperature	60-80°C	140-176°F	Extrusion Molding

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Dry Time	3.00-4.00 hrs	3.00-4.00 hrs	Extrusion Molding
	-	-	No Minimum Order Quantity No Lead Times to Ship
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