

ColorFast® FRPPO300
Americhem - Polyphenylene Ether
General Information
Product Description

PPE + PS blend. Unfilled FR system

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Flame Retardant		
Features	• Excellent Colorability	• Flame Retardant	
Uses	• Consumer Applications	• Household Goods	• Industrial Applications
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.10		ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in)	5.0E-3 to 7.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	10700	psi	ASTM D638
Tensile Strength ² (Break)	10900	psi	ASTM D638
Tensile Elongation ² (Yield)	5.0	%	ASTM D638
Tensile Elongation ² (Break)	10	%	ASTM D638
Flexural Modulus ²	384000	psi	ASTM D790
Flexural Strength	16000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	3.5	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed, 0.126 in)	311	°F	ASTM D648

Notes
¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min
