

**ColorFast® FRPPE200**

Americhem - Polyphenylene Ether + PS

**General Information**
**Product Description**

FRPPE200 is an injection molding grade of polyphenylene ether (PPE) + polystyrene (PS) blend with high heat resistance and dimensional stability. It consists of a halogen free FR system with a flame rating of V-0/0.75mm .

**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 <sup>1</sup>**

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density / Specific Gravity	1.10		ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in)	5.0E-3 to 7.0E-3	in/in	ASTM D955
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Strength <sup>2</sup> (Yield)	10500	psi	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	15	%	ASTM D638
Flexural Modulus <sup>2</sup>	363000	psi	ASTM D790
Flexural Strength	16000	psi	ASTM D790
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Notched Izod Impact (73°F)	3.5	ft·lb/in	ASTM D256
<b>Hardness</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Rockwell Hardness (R-Scale)	120		ASTM D785
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Deflection Temperature Under Load (66 psi, Unannealed, 0.126 in)	288	°F	ASTM D648

**Notes**

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 2.0 in/min

