

Shuman 211 Flame Retardant Polyphenylene Ether Copolymer Alloy

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Ether, Molded

Material Notes:

Black, Custom Colors. Excellent flame retardancy, easy processability, good impact strength, good chemical resistance, injection molding and extrusion grades. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shuman-211-Flame-Retardant-Polyphenylene-Ether-Copolymer-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in ³	ASTM D792
Melt Flow	1.5 g/10 min	1.5 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	116	116	ASTM D785
Tensile Strength, Yield	47.0 MPa	6820 psi	ASTM D638
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	1/8" Thick Specimen; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	91.0 Â°C	196 Â°F	ASTM D648
Vicat Softening Point	127 Â°C	261 Â°F	ASTM D1525
Flammability, UL94	V-0	V-0	
	@Thickness 1.57 mm	@Thickness 0.0618 in	
	5VA	5VA	
	@Thickness 3.18 mm	@Thickness 0.125 in	

Processing Properties	Metric	English	Comments
Processing Temperature	193 - 221 Â°C	379 - 430 Â°F	Extrusion
	221 - 260 Â°C	430 - 500 Â°F	Injection

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