

Megalloy® PPO-GF30

Polyphenylene Ether + PS

Mega Polymers

Message:

Injection grade, PPE-PS alloy with 30% glass fiber reinforcement

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/5.0 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.10 to 0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	96.5	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength	173	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	154	°C	
1.8 MPa, Unannealed	138	°C	
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	HB		
3.00 mm	HB		

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Recommended distributors for this material

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