

OP - PPO PPOX-235

Polyphenylene Ether + PS
Oxford Polymers

Message:

OP-PPO PPOX-235 is a polyphenylene ether PS (PPE PS) material. This product is available in North America and is processed by injection molding. The main characteristics of OP-PPO PPOX-235 are: flame retardant/rated flame.

General Information			
Features	General		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (315°C/5.0 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 - 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	43.4	MPa	ASTM D638
Fracture	46.9	MPa	ASTM D638
Flexural Modulus	2210	MPa	ASTM D790
Flexural Strength	72.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (4°C)	210	J/m	ASTM D256
Dart Drop Impact	16.9	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 3.18mm	113	°C	ASTM D648
1.8 MPa, unannealed, 3.18mm	107	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.59 mm	HB		UL 94
3.18 mm	HB		UL 94
Additional Information			
Melt Mass -Flow Rate (MFR), ASTM D1238, 315°C/ 5.0kg: 12 to 18 g/10 min			
Injection	Nominal Value	Unit	
Drying Temperature	104 - 110	°C	
Drying Time	3.0 - 4.0	hr	
Drying Time, Maximum	8.0	hr	
Rear Temperature	243 - 293	°C	
Middle Temperature	254 - 299	°C	

Front Temperature	266 - 304	°C
Processing (Melt) Temp	274 - 302	°C
Mold Temperature	65.6 - 98.9	°C

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