

OP - PPO PPOX-190-FR

Polyphenylene Ether + PS

Oxford Polymers

Message:

OP-PPO PPOX-190-FR is a polyphenylene ether PS (PPE PS) material. This product is available in North America and is processed by injection molding.

The main features of the OP-PPO PPOX-190-FR are:

flame retardant/rated flame

Flame Retardant

General Information			
Features	Flame retardancy		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (315°C/5.0 kg)	35	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	49.0	MPa	ASTM D638
Fracture	50.3	MPa	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength	82.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (4°C)	270	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	98.9	°C	ASTM D648
1.8 MPa, unannealed, 3.18mm	93.3	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.59 mm	V-1		UL 94
3.18 mm	V-1		UL 94
Additional Information			
Melt Mass -Flow Rate (MFR), ASTM D1238, 315°C/ 5.0kg: 20 to 50 g/10 min			
Injection	Nominal Value	Unit	
Drying Temperature	76.7 - 82.2	°C	
Drying Time	3.0 - 4.0	hr	
Drying Time, Maximum	8.0	hr	
Rear Temperature	216 - 266	°C	

Middle Temperature	227 - 271	°C
Front Temperature	238 - 277	°C
Processing (Melt) Temp	249 - 277	°C
Mold Temperature	54.4 - 76.7	°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

