

PTS PPE-LXS314-20

Polyphenylene Ether + PS

Polymer Technology and Services, LLC

Message:

PTS PPE-LXS314-20 is a Polyphenylene Ether + PS (PPE+PS) product filled with 20% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Industrial Applications. Primary characteristic: impact resistant.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	High Impact Resistance		
Uses	Industrial Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.25	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/5.0 kg)	18	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.50	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	90.0	MPa	ASTM D638
Tensile Elongation ³ (Break)	8.0	%	ASTM D638
Flexural Modulus ⁴	4200	MPa	ASTM D790
Flexural Strength ⁵	140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area)	14.0	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	130	°C	ASTM D648
NOTE			
1.	solid		
2.	Type I		
3.	Type I		
4.	2.6 mm/min		
5.	2.6 mm/min		

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