

Witcom PPS 2007/277

Polyphenylene Sulfide

Witcom Engineering Plastics B.V.

Message:

Witcom PPS 2007/277 is a Polyphenylene Sulfide (PPS) product filled with filler. It is available in Europe.

Characteristics include:

Flame Rated

Conductive

General Information			
Filler / Reinforcement	Filler		
Features	Thermally Conductive		
Physical	Nominal Value	Unit	Test Method
Density	2.49	g/cm ³	ISO 1183
Molding Shrinkage - Flow (3.00 mm)	0.20 to 0.40	%	ISO 2577
Water Absorption			ISO 62
Saturation, 23°C	0.020	%	
Equilibrium, 23°C, 50% RH	0.020	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	< 40.0	MPa	ISO 527-2
Tensile Strain (Break)	0.50 to 1.0	%	ISO 527-2
Flexural Modulus	19000	MPa	ISO 178
Flexural Stress	60.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	4.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength	10	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	260	°C	ISO 75-2/A
Thermal Conductivity ¹	1.2	W/m/K	ASTM E1530
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14 to 1.0E+16	ohms	ASTM D257
Volume Resistivity	1.0E+14 to 1.0E+16	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 mm)	V-0		ISO 1210
Glow Wire Flammability Index (1.60 mm)	960	°C	IEC 60695-2-12
NOTE			

1. Through plane

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