

Witcom PPS 2006/351

Polyphenylene Sulfide

Witcom Engineering Plastics B.V.

Message:

Witcom PPS 2006/351 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	Conductive		
Physical	Nominal Value	Unit	Test Method
Density	1.60	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	0.050	%	
Equilibrium, 23°C, 50% RH	0.030	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	< 180	MPa	ISO 527-2
Tensile Strain (Break)	1.0 to 2.0	%	ISO 527-2
Flexural Modulus	13500	MPa	ISO 178
Flexural Stress	280	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	8.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength	35	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
CLTE - Flow	2.4E-5	cm/cm/°C	ISO 11359-2
RTI Imp (3.00 mm)	200	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+4 to 1.0E+6	ohms	ASTM D257
Volume Resistivity	1.0E+5 to 1.0E+7	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

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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

