

Lion Idemitsu Composites PPS Y555C3

Polyphenylene Sulfide

Lion Idemitsu Composites Co., Ltd.

Message:

Lion Idemitsu Composites PPS Y555C3 is a Polyphenylene Sulfide (PPS) product filled with 50% mineral. It is available in Asia Pacific.

Characteristics include:

Flame Rated

Antistatic

Good Aesthetics

Good Processability

General Information			
Filler / Reinforcement	Mineral,50% Filler by Weight		
Additive	Antistatic		
Features	Antistatic		
	Good Moldability		
	Good Surface Finish		
Appearance	Black		
Part Marking Code (ISO 11469)	>PPS-MH50<		
Physical	Nominal Value	Unit	Test Method
Density	1.82	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow	0.70	%	
Flow	0.40	%	
Water Absorption (23°C, 24 hr)	> 0.020	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	102		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	113	MPa	ISO 527-2
Tensile Strain (Break)	0.80	%	ISO 527-2
Flexural Modulus	19100	MPa	ISO 178
Flexural Stress	201	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	2.9	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	239	°C	ISO 75-2/A
CLTE			ISO 11359-2
Flow	1.5E-5	cm/cm/°C	
Transverse	3.4E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method

Volume Resistivity	1.0E+6	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	V-0		UL 94
Additional Information	Nominal Value	Unit	Test Method
Flowability ² (1.00 mm)	102	mm	Internal Method

NOTE			
1.	Internal Method		
	Thickness 1mm, Cylinder temperature 320°C, Injection pressure 100MPa, Mold temperature 135°C		
2.			

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