

Lion Idemitsu Composites PPS C-2000SG15

Polyphenylene Sulfide

Lion Idemitsu Composites Co., Ltd.

Message:

Lion Idemitsu Composites PPS C-2000SG15 is a Polyphenylene Sulfide (PPS) product filled with 70% glass\mineral. It is available in Asia Pacific.

Characteristics include:

Flame Rated

Good Processability

General Information			
Filler / Reinforcement	Glass\Mineral,70% Filler by Weight		
Features	Good Moldability		
	Minimal Flash		
Appearance	Black		
Part Marking Code (ISO 11469)	>PPS-(GF+KD)70<		
Physical	Nominal Value	Unit	Test Method
Density	2.10	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow	0.60	%	
Flow	0.35	%	
Water Absorption (23°C, 24 hr)	0.010	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	93		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	89.0	MPa	ISO 527-2
Tensile Strain (Break)	0.70	%	ISO 527-2
Flexural Modulus	19100	MPa	ISO 178
Flexural Stress	161	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	5.7	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	272	°C	ISO 75-2/A
CLTE			ISO 11359-2
Flow	1.9E-5	cm/cm/°C	
Transverse	2.0E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Electric Strength			IEC 60243-1
1.00 mm	13	kV/mm	

3.00 mm	14	kV/mm	
Dielectric Constant	6.50		IEC 60250
Dissipation Factor	0.023		IEC 60250
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.890 mm)	V-0		UL 94
Additional Information	Nominal Value	Unit	Test Method
Flowability ² (1.00 mm)	9.10	cm	Internal Method
NOTE			
1.	Internal Method		
	Thickness 1mm, Cylinder temperature 320°C, Injection pressure 100MPa, Mold temperature 135°C		
2.			

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