

PLASTRON™ PPS-GF50-01

Polyphenylene Sulfide

Daicel Polymer Ltd.

Message:

PLASTRON™ PPS-GF50-01 is a Polyphenylene Sulfide (PPS) material filled with 50% carbon fiber. It is available in Asia Pacific.

General Information			
Filler / Reinforcement	Carbon Fiber,50% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	1.75	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	190	MPa	ISO 527-2
Flexural Modulus	19000	MPa	ISO 178
Flexural Stress	280	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	22	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	281	°C	ISO 75-2/A
Injection	Nominal Value	Unit	
Drying Temperature	120 to 140	°C	
Drying Time	3.0 to 5.0	hr	
Rear Temperature	310 to 330	°C	
Middle Temperature	310 to 330	°C	
Front Temperature	310 to 330	°C	
Nozzle Temperature	300 to 320	°C	
Mold Temperature	130 to 150	°C	
Back Pressure	5.00 to 10.0	MPa	
Screw Speed	40 to 60	rpm	

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Recommended distributors for this material

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



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