

Badatron® PPS GF/M65

Polyphenylene Sulfide

Bada AG

Message:

65% glass fibres reinforced and mineral filled injection moulding grade

General Information			
Filler / Reinforcement	Glass \mineral, 65% filler by weight		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	2.03	g/cm ³	ISO 1183
Water Absorption (Saturation, 23°C)	0.020	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	17000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	115	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	1.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ¹ (23°C)	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength ² (23°C)	15	kJ/m ²	ISO 179/1eU
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.8 mm	V-0		UL 94
1.6 mm	V-0		UL 94
Glow Wire Flammability Index (1.6 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (1.6 mm)	960	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	140	°C	
Drying Time	3.0 - 4.0	hr	
Processing (Melt) Temp	300 - 340	°C	
Mold Temperature	140 - 180	°C	
NOTE			
1.	80x10x4 mm		
2.	80x10x4 mm		

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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

