

Generic PAS - Glass Fiber

Polyarylsulfone
Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PAS - Glass Fiber
This information is provided for comparative purposes only.

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44 - 1.59	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.10 - 0.61	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.20 - 0.41	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	4340 - 9140	MPa	ASTM D638
Tensile Strength (23°C)	95.7 - 124	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	1.0 - 3.6	%	ASTM D638
Flexural Modulus (23°C)	4120 - 7720	MPa	ASTM D790
Flexural Strength (23°C)	144 - 173	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	59 - 81	J/m	ASTM D256
Unnotched Izod Impact (23°C)	480 - 540	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	204 - 213	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (23°C)	16 - 17	kV/mm	ASTM D149
Injection	Nominal Value	Unit	
Rear Temperature	352 - 371	°C	
Middle Temperature	363 - 371	°C	
Front Temperature	371 - 375	°C	
Mold Temperature	128 - 150	°C	
Injection Pressure	96.5 - 121	MPa	
Injection instructions			

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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

