

Sypex M1420FB

Acrylonitrile Butadiene Styrene

Ginar Technology Co., LTD.

Message:

Sypex M1420 FB is a 20 % glass fiber reinforced flame retarded ABS product for injection moulding in black colour

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Highlight		
	Good formability		
	Good electrical performance		
	Good chemical resistance		
	Good wear resistance		
	Good weather resistance		
	Fuel resistance		
	Heat resistance, high		
	Oil resistance		
	Flame retardancy		
UL File Number	E154352		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage - Flow (1.60 mm)	0.10 - 0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	76.0	MPa	ISO 527-2
Tensile Strain (Break)	1.6	%	ISO 527-2
Flexural Modulus	5860	MPa	ISO 178
Flexural Stress	110	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	95.0	°C	ASTM D648, ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Arc Resistance	60.0	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Additional Information			
Notched Izod Impact Strength, ISO 180/1, notch 0.25in: 69 J/mArc Resistance, ASTM D495: <60 sec			

Injection	Nominal Value	Unit
Rear Temperature	215 - 235	°C
Middle Temperature	215 - 235	°C
Front Temperature	215 - 235	°C
Nozzle Temperature	220 - 230	°C
Mold Temperature	30.0 - 100	°C
Injection Pressure	50.0 - 120	MPa
Injection Rate	Moderate-Fast	
Holding Pressure	30.0 - 80.0	MPa
Back Pressure	0.00 - 0.300	MPa
Screw Speed	60 - 120	rpm

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT