

Mapex AN0511SN

Polyamide 6
Ginar Technology Co., LTD.

Message:
Mapex AN0511 SN PA6 is a 25 % glass fiber / mineral reinforced product for injection moulding in natural colour

General Information			
UL YellowCard	E154352-223865		
Filler / Reinforcement	Glass \mineral, 25% filler by weight		
Features	Highlight		
	Solvent resistance		
	Good formability		
	Good electrical performance		
	Good chemical resistance		
	Good wear resistance		
	Good weather resistance		
	Fuel resistance		
	Heat resistance, high		
	Oil resistance		
UL File Number	E154352		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage - Flow (1.60 mm)	0.50 - 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	76.0	MPa	ISO 527-2
Tensile Strain (Break)	3.5	%	ISO 527-2
Flexural Modulus	6550	MPa	ISO 178
Flexural Stress	145	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	180	°C	ASTM D648, ISO 75-2/A
Melting Temperature	220	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Arc Resistance	150	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm)	HB		UL 94

Additional Information

Notched Izod Impact Strength, ISO 180/1, notch 0.25in: 48 kg cm/cmArc Resistance, ASTM D495: 120 to 179 sec

Injection	Nominal Value	Unit
Drying Temperature	90.0	°C
Drying Time	4.0	hr
Rear Temperature	240 - 270	°C
Middle Temperature	240 - 270	°C
Front Temperature	240 - 270	°C
Nozzle Temperature	240 - 250	°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

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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

