

# Mapex AN0720SN

Polyamide 6

Ginar Technology Co., LTD.

Message:

Mapex AN0720SN is a Polyamide 6 (Nylon 6) product filled with 35% glass fiber. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, or North America.

Characteristics include:

- Flame Rated
- RoHS Compliant

General Information			
UL YellowCard	E154352-223866		
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.00 mm)	0.20 to 0.40	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	152	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	8960	MPa	ASTM D790A
Flexural Strength	241	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	210	°C	ASTM D648
Peak Melting Temperature	220	°C	ASTM D789
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.0E+13	ohms · cm	ASTM D257
Dielectric Strength	26	kV/mm	ASTM D149
Arc Resistance	130 to 140	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.18 mm)	HB		UL 94

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Recommended distributors for this material

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