

Aplax P2812GN

Polypropylene
Ginar Technology Co., LTD.

Message:
Aplax P2812GN is a 40% mica filled PP product for injection moulding in natural colour

General Information			
Filler / Reinforcement	Mica filler, 40% 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		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (1.60 mm)	0.20 - 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	59.0	MPa	ISO 527-2
Tensile Strain (Break)	5.0	%	ISO 527-2
Flexural Modulus	9660	MPa	ISO 178
Flexural Stress	97.0	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	150	°C	ISO 75-2/B
1.8 MPa, not annealed	135	°C	ASTM D648, ISO 75-2/A
Melting Temperature	> 165	°C	DSC
Flammability	Nominal Value		Test Method
Flame Rating (3.20 mm)	HB		UL 94
Additional Information			

Notched Izod Impact Strength, ISO 180/1, notch 0.25in: 43 kg cm/cm

Injection	Nominal Value	Unit
Rear Temperature	170 - 220	°C
Middle Temperature	170 - 220	°C
Front Temperature	170 - 220	°C
Processing (Melt) Temp	180 - 220	°C
Injection Pressure	50.0 - 120	MPa
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

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