

Aplax P2515GN

Polypropylene
Ginar Technology Co., LTD.

Message:
Aplax P2515GN is a high gloss PP with 25 % BaSO4 filler product for injection moulding in natural colour

General Information			
Filler / Reinforcement	Barium sulfate, 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		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/2.16 kg)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow (1.60 mm)	1.0 - 1.3	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	33.0	MPa	ISO 527-2
Tensile Strain (Break)	60	%	ISO 527-2
Flexural Modulus	2760	MPa	ISO 178
Flexural Stress	68.0	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	135	°C	ISO 75-2/B
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
Nozzle Temperature	210 - 220	°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

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