

Kapex C352

Polycarbonate

Ginar Technology Co., LTD.

Message:

Kapex C352 PC is a 25 % glass fiber reinforced product for injection moulding in natural colour

General Information			
UL YellowCard	E154352-100991300		
Filler / Reinforcement	Glass fiber reinforced material, 25% 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		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage - Flow (1.60 mm)	0.10 - 0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	100	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	5170	MPa	ISO 178
Flexural Stress	128	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	145	°C	ASTM D648, ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Additional Information			
Notched Izod Impact Strength, ISO 180/1, 23°C, notch 0.25in: 150 J/m			
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	4.0	hr	

Rear Temperature	300 - 330	°C
Middle Temperature	300 - 330	°C
Front Temperature	300 - 330	°C
Nozzle Temperature	300 - 320	°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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