

HONES® PA66 GF20

Polyamide 66

Guangdong Shunde Hones Polymer Material Co., Ltd.

Message:

Technology characteristics: 20% Glass fiber reinforced, flame retardant

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Flame Retardant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	110	MPa	ASTM D638
Flexural Strength	155	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	10	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	56	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	235	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (2.00 mm)	28	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.20		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	130	°C	
Drying Time	4.0	hr	
Rear Temperature	220 to 265	°C	
Middle Temperature	260 to 270	°C	
Front Temperature	260 to 270	°C	
Nozzle Temperature	260 to 270	°C	
Mold Temperature	60.0 to 90.0	°C	
Injection Pressure	60.0 to 120	MPa	

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