

FILLMA 5002G20

Polypropylene
POLYROCKS CHEMICAL CO., LTD

Message:

FILLMA 5002G20 is a Polypropylene product filled with 20% glass fiber. It is available in Asia Pacific. Typical application: Electrical/Electronic Applications.

Characteristics include:

Flame Rated
Chemical Resistant
Heat Resistant
Rigid

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Good Chemical Resistance		
	High Heat Resistance		
	High Rigidity		
Uses	Electrical/Electronic Applications		
UL File Number	E253482		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	65.0	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	3300	MPa	ASTM D790
Flexural Strength	70.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	155	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	HB		
3.00 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	190 to 220	°C	

Mold Temperature	50.0 to 80.0	°C
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