

PONYL 4002G25

Polyamide 66

POLYROCKS CHEMICAL CO., LTD

Message:

PONYL 4002G25 is a Polyamide 66 (Nylon 66) product filled with 25% glass fiber. It is available in Asia Pacific. Typical application: Electrical/Electronic Applications.
Characteristics include:
Flame Rated
Flame Retardant
Good Dimensional Stability
Heat Resistant

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Features	Flame Retardant		
	Good Dimensional Stability		
	High Heat Resistance		
Uses	Electrical Parts		
	Electrical/Electronic Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.55	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (275°C/0.325 kg)	9.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	140	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	6500	MPa	ASTM D790
Flexural Strength	180	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	235	°C	
1.8 MPa, Unannealed	235	°C	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	V-0		
3.00 mm	V-0		

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	2.0 to 3.0	hr
Processing (Melt) Temp	265 to 280	°C
Mold Temperature	80.0 to 90.0	°C

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