

# PONYL 4003EPG20

Polyamide 66

POLYROCKS CHEMICAL CO., LTD

Message:

PONYL 4003EPG20 is a Polyamide 66 (Nylon 66) product filled with 20% glass fiber. It is available in Asia Pacific. Typical application: Electrical/Electronic Applications.  
Characteristics include:  
Flame Rated  
Eco-Friendly/Green  
Flame Retardant  
Good Dimensional Stability  
Halogen Free

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Environmentally Sound		
	Flame Retardant		
	Good Dimensional Stability		
	Halogen Free		
	High Heat Resistance		
	Low Density		
Uses	Electrical Parts		
	Electrical/Electronic Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (275°C/0.325 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	115	MPa	ASTM D638
Tensile Elongation (Break)	11	%	ASTM D638
Flexural Modulus	7000	MPa	ASTM D790
Flexural Strength	170	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	60	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	240	°C	ASTM D648
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	100	°C
Drying Time	2.0 to 3.0	hr
Processing (Melt) Temp	245 to 270	°C
Mold Temperature	80.0 to 90.0	°C

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#### Recommended distributors for this material

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