

# PONYL 4001G15

Polyamide 66

POLYROCKS CHEMICAL CO., LTD

Message:

PONYL 4001G15 is a Polyamide 66 (Nylon 66) product filled with 15% glass fiber. It is available in Asia Pacific. Typical application: Electrical/Electronic Applications.  
Characteristics include:  
Flame Rated  
Good Dimensional Stability  
Heat Resistant

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Features	Good Dimensional Stability		
	High Heat Resistance		
Uses	Electrical Parts		
	Electrical/Electronic Applications		
UL File Number	E253482		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (275°C/0.325 kg)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	110	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	4300	MPa	ASTM D790
Flexural Strength	150	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	70	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	240	°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	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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