

# Polyrocks 4002EPDG30

Polyamide 66

Polyrocks Chemical Co., Ltd

Message:

4002EPG(+) flame retardant PA66 is halogen free environmental polyamide material with nitrogen and phosphorus as flame retardant elements, with 30% glass filled. Carbonize, expansion and physical cooling mechanism play the flame retardant performance. 4002EPG(+) halogen free flame retardant PA66 flammability reach UL94V-0(1.5mm), glow wire test meets GWIT750°C and GWF1960°C. It has the characteristics of low density, great electrical property, low smoke and no corrosion to molds etc.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	Flame retardancy 2		
Features	Low density		
	Low smoke		
	Good electrical performance		
	Halogen-free		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
	Home appliance components		
	Connector		
	Sheet		
Forms	Particles		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (275°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.20	%	ASTM D955
Transverse flow	0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	120	MPa	ASTM D638
Flexural Modulus	8300	MPa	ASTM D790
Flexural Strength	170	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 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
1.5 mm	V-0		UL 94
3.0 mm	V-0		UL 94
Glow Wire Flammability Index	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature	750	°C	IEC 60695-2-13

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#### Recommended distributors for this material

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