

PONYL 4008EPG0

Polyamide 6
POLYROCKS CHEMICAL CO., LTD

Message:

PONYL-4008EPG(+) are nitrogen flame retardant element halogen-free environmental PA6 material. Carbonize and gaseous phase retardant mechanisms play the flame retardant performance. They have the characteristics of low density of finished products,no smoke and no corrosion to molds.They can reach UL94-V0(1.5mm & 3.0mm) and 960°C GWFI. 4008EPG(+) pass UL test and meet the requirements of RoHS, SVHC, PFOS&PFOA, 16P, Halogen-free and PAHs.

General Information			
Features	Low density		
	Good corrosion resistance		
	Halogen-free		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
	Electrical components		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/2.16 kg)	12 - 17	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	73.0	MPa	ASTM D638
Tensile Elongation (Break)	18	%	ASTM D638
Flexural Modulus	3000	MPa	ASTM D790
Flexural Strength	100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	45	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	75.0	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	V-0		UL 94
3.00 mm	V-0		UL 94
Glow Wire Flammability Index	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature	800	°C	IEC 60695-2-13

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