

PONYL 4009EPG15

Polyamide 6
POLYROCKS CHEMICAL CO., LTD

Message:

:PONYL-4009EPG(+) 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,good electrical properties,not smoke,and no corrosion to molds,good toughness,polish surface and good environment resistance.The flammability can reach UL94-V2(1.5mm & 3.0mm). 4009(+) pass UL test and meet the requirements of RoHS, SVHC, PFOS&PFOA, 16P, Halogen-free and PAHs.

General Information	
Features	Environmentally Sound
	Flame Retardant
	Good Corrosion Resistance
	Good Electrical Properties
	Good Surface Finish
	Good Toughness
	Halogen Free
	Low Density

Uses	Automotive Applications
	Construction Applications

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/2.16 kg)	6.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	123	MPa	ASTM D638
Tensile Elongation (Break)	11	%	ASTM D638
Flexural Modulus	5600	MPa	ASTM D790
Flexural Strength	170	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	85	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	205	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating			UL 94
1.50 mm	V-2		
3.00 mm	V-2		

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Recommended distributors for this material

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