

PONYL 4006G30

Polyamide 6
POLYROCKS CHEMICAL CO., LTD

Message:

PONYL-4006G(+) are alkali-free environmental glass fiber reinforced PA6 material. They have the characteristics of wear resistance,heat resistance,oil resistance and chemical resistance;and also the characteristics of low equilibrium water absorption,small mould shrinkage,good dimensional stability and superior mechanism strength. 4006G(+) pass UL test and meet the requirements of RoHS, SVHC, PFOS&PFOA, 16P, Halogen-free and PAHs.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Wear Resistance		
	Halogen Free		
	Low to No Water Absorption		
	Medium Heat Resistance		
	Oil Resistant		
Uses	Engineered Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/2.16 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.10 to 0.80	%	ASTM D955
Water Absorption (Equilibrium)	2.0 to 2.4	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	175	MPa	ASTM D638
Tensile Elongation (Break)	9.0	%	ASTM D638
Flexural Modulus	8000	MPa	ASTM D790
Flexural Strength	260	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	210	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	575	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	UL 94		
1.50 mm	HB		

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Recommended distributors for this material

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