

Polyrocks 3001APG30

Polybutylene Terephthalate

Polyrocks Chemical Co., Ltd

Message:

3001APG(+) is halogen-free flame retardant environmental PBT with phosphorus and nitrogen as the flame retardant elements. Carbonize and expansion mechanism play the flame retardant performance. 3001APG(+) flammability reach UL 94 V-0(1.5mm), glow-wire test meets GWIT 700°C and GWFI 960°C. 3001APG(+) have UL certification, and meet the requirements of RoHS, SVHC, Halogen-free, PAHs...etc. 3001APG(+) has the characteristics of great electrical property, low smoke, no corrosion to the molds etc.

General Information			
Additive	Flame retardancy 2		
Features	Low smoke		
	Good electrical performance		
	Halogen-free		
	Excellent appearance		
	Flame retardancy		
Uses	Plug		
	Electrical/Electronic Applications		
	Switch		
	Connector		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Forms	Particles		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.56	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	17	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.20	%	ASTM D955
Transverse flow	1.6	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	88.0	MPa	ASTM D638
Flexural Modulus	9000	MPa	ASTM D790
Flexural Strength	140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	68	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	211	°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	700	°C	IEC 60695-2-13

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