

# POBUX 3001EPG30

Polybutylene Terephthalate

POLYROCKS CHEMICAL CO., LTD

## Message:

POBUX® 3001EPG (+) are halogen-free flame retardant environmental glass fiber reinforced PBT with phosphorus and nitrogen as the flame retardant elements. Carbonize & gaseous phase retardant mechanisms play the flame retardant performance. 3001EPG (+) can reach UL94-V0 (1.5mm and 3.0mm). They have the characteristics of good finished surface, great electrical property and little corrosion to molds. 3001EPG (+) pass UL tests and meet requirements of RoHS, SVHC, PFOS&PFOA,16P, Halogen-free and PAHs.

General Information	
Filler / Reinforcement	Glass Fiber,30% Filler by Weight
Features	Flame Retardant
	Good Corrosion Resistance
	Good Electrical Properties
	Good Surface Finish
	Halogen Free
Uses	Construction Applications
	Electrical/Electronic Applications

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.60	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	20	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.20	%	
Across Flow	1.7	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	103	MPa	ASTM D638
Tensile Elongation (Break)	12	%	ASTM D638
Flexural Modulus	8500	MPa	ASTM D790
Flexural Strength	140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	75	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	200	°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
1.50 mm	V-0		

3.00 mm	V-0		
Glow Wire Flammability Index	960	°C	IEC 60695-2-12

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

