

Polyrocks 5003G15C

Polypropylene
Polyrocks Chemical Co., Ltd

Message:

5003G(+) is flame retardant reinforced polypropylene with phosphorus, bromine and nitrogen as the flame retardant elements. Through solidifying phase and gas-phase mechanism improve flame retardant performance, and accelerating melting and dripping by catalytic mechanism to play flame retardant performance. The flammability can reach UL94-V2 (1.5mm and 3.0mm), glow-wire test meets GWIT:775/3.0 and GWFI:850/3.0, it has the characteristics of low density of finished products, good mechanical properties, low smoke, less corrosion to the mould etc.

General Information			
Additive	Flame retardancy 2		
Features	Low density		
	Low smoke		
	Flame retardancy		
Uses	Plug		
	Electrical/Electronic Applications		
	Electrical components		
	Components		
	Home appliance components		
	Car interior parts		
Forms	Particles		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	45.0	MPa	ASTM D638
Tensile Elongation (Break)	15	%	ASTM D638
Flexural Modulus	2700	MPa	ASTM D790
Flexural Strength	60.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	140	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.5 mm	V-2		UL 94
3.0 mm	V-2		UL 94
Glow Wire Flammability Index (3.0 mm)	850	°C	IEC 60695-2-12

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