

Polyrocks 168S

Polypropylene

Polyrocks Chemical Co., Ltd

Message:

168S is low halogen flame retardant environmental polypropylene with phosphorus, bromine and antimony 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 performnce. 168S flammability can reach UL 94 V-2 (1.5mm and 3.0mm), glow-wire test meets GWIT:775/3.0 and GWFI:850/3.0. 168S has passed UL certification, and meet the requiements of RoHS, SVHC, PFOS & PFOA, 16P, PAHs...etc. 168S has characteristics of finished products low density, low smokes, less corrosion to molds...etc.

General Information			
Additive	Flame retardancy 2		
Features	Good Rigidity		
	Low density		
	Low smoke		
	Good toughness		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
	Electrical components		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Forms	Particles		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.970	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.1 - 1.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	33.0	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	1500	MPa	ASTM D790
Flexural Strength	38.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	45	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	110	°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	850	°C	IEC 60695-2-12
Glow Wire Ignition Temperature	775	°C	IEC 60695-2-13

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

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

