

Polyrocks 168(f1)

Polypropylene
Polyrocks Chemical Co., Ltd

Message:

168(f1) is flame retardant polypropylene with bromine and antimony as the flame retardant elements. Through solid carbon, halogen-antimony synergistic mechanism play the flame retardant performance. 168(f1) flammability can reach UL 94 V-0, ultraviolet radiation reach f1 level (UL746C), relative temperature index (RTI) is 20°C (UL746B). 168(f1) has passed UL certification, and meet the requirements of RoHS, SVHC, PFOS & PFOA, 16P, PAHs...etc. 168(f1) has characteristics of high flame retardant, low density, good processability, strong chemical resistance, less corrosion to molds etc.

General Information			
Additive	Flame retardancy 2		
Features	Low density		
	Low smoke		
	Workability, good		
	Good chemical resistance		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
	Home appliance components		
	Decorative parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	White		
	Green		
Forms	Particles		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.00	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Outdoor Suitability	f1		UL 746C
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	30.0	MPa	ASTM D638
Tensile Elongation (Break)	150	%	ASTM D638
Flexural Modulus	1000	MPa	ASTM D790
Flexural Strength	30.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	25	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
RTI Elec	120	°C	UL 746

RTI Imp	120	°C	UL 746
RTI	120	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.75 mm	V-0		UL 94
3.0 mm	V-0		UL 94

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