

# Polyrocks 4000MC

Polyamide 66

Polyrocks Chemical Co., Ltd

## Message:

Halogen-free flame retardant PA66 is halogen free environmental polyamide material with nitrogen as flame retardant element. Carbonize, expansion and physical cooling mechanism play the flame retardant performance. Halogen-free flame retardant PA66 flammability reach UL94V-0, glow wire test meets GWIT 750°C and GWFI 960°C. It has the characteristics of low density, great electrical property, no smoke and no corrosion to molds etc.

General Information			
Additive	Flame retardancy 2		
Features	Low density		
	Low smoke		
	Good electrical performance		
	Halogen-free		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
	Home appliance components		
	Connector		
	Sheet		
Forms	Particles		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (275°C/0.325 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	77.0	MPa	ASTM D638
Flexural Modulus	3000	MPa	ASTM D790
Flexural Strength	101	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 (1.8 MPa, Unannealed)	102	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	575	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.75 mm	V-0		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	750	°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

