

Model M330F

File Number: E163907



**COMPANY**

Hyosung Chemical Corp  
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**MODEL INFO**

M330F  
Polyketone (PK), furnished as pellets

FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		ANSI/UL 94
0.8 mm, Color: ALL	HB	
1.5 mm, Color: ALL	HB	
3.0 mm, Color: ALL	HB	
ISO/IEC FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		IEC 60695-11-10
0.8 mm, Color: ALL	HB75	
1.5 mm, Color: ALL	HB75	
3.0 mm, Color: ALL	HB40	
Glow Wire Ignition Temperature (GWIT)		IEC 60695-2-13
0.8 mm	725 °C	
1.5 mm	725 °C	
3.0 mm	725 °C	
Glow Wire Flammability Index (GWFI)		IEC 60695-2-12
0.8 mm	700 °C	

1.5 mm	700 °C	
3.0 mm	700 °C	
<b>ELECTRICAL PROPERTIES</b>	<b>VALUE</b>	<b>TEST METHOD</b>
Hot-wire Ignition (HWI)		UL 746A
0.8 mm	PLC 4	
1.5 mm	PLC 3	
3.0 mm	PLC 2	
High Amp Arc Ignition (HAI)		UL 746A
0.8 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746A
Dielectric Strength	23 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 0	
Volume Resistivity	1.0E+12 ohms-cm	ASTM D257/IEC 60093
High Voltage, Low Current Arc Resistance	PLC 4	
<b>THERMAL PROPERTIES</b>	<b>VALUE</b>	<b>TEST METHOD</b>
Relative Thermal Index - Electrical Strength		UL 746B
0.8 mm	50 °C	
1.5 mm	50 °C	
3.0 mm	50 °C	
Relative Thermal Index - Mechanical Impact		UL 746B
0.8 mm	50 °C	
1.5 mm	50 °C	
3.0 mm	50 °C	
Relative Thermal Index - Mechanical Strength		UL 746B
0.8 mm	50 °C	
1.5 mm	50 °C	

3.0 mm

50 °C

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