

Model M33(c)AF2JY, M33AF2Y(e)

File Number: E163907



COMPANY

Hyosung Chemical Corp
235, Banpo-daero, Seocho-gu
Seoul, Seoul 06578 Republic of Korea

MODEL INFO

M33(c)AF2JY, M33AF2Y(e)
Polyketone (PK), furnished as pellets
(e) – May be replaced by 1-2 letter(s) and 1-3 digit number(s).(coloring code)
(c) – Represents 1 digit numeric 0-9 which varies based on colors.

FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		ANSI/UL 94
0.8 mm, Color: ALL	V-0	
1.0 mm, Color: ALL	V-0	
1.6 mm, Color: ALL	V-0	
2.0 mm, Color: ALL	V-0	
3.0 mm, Color: ALL	V-0	
ISO/IEC FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		IEC 60695-11-10
0.8 mm, Color: ALL	V-0	
1.0 mm, Color: ALL	V-0	
1.6 mm, Color: ALL	V-0	
2.0 mm, Color: ALL	V-0	
3.0 mm, Color: ALL	V-0	
Glow Wire Ignition Temperature (GWIT)		IEC 60695-2-13

1.0 mm	800 °C	
2.0 mm	825 °C	
3.0 mm	825 °C	
Glow Wire Flammability Index (GWFI)		IEC 60695-2-12
1.0 mm	960 °C	
2.0 mm	960 °C	
3.0 mm	960 °C	
ELECTRICAL PROPERTIES	VALUE	TEST METHOD
Hot-wire Ignition (HWI)		UL 746A
0.8 mm	PLC 1	
1.0 mm	PLC 1	
1.6 mm	PLC 1	
2.0 mm	PLC 1	
3.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746A
0.8 mm	PLC 0	
1.0 mm	PLC 0	
1.6 mm	PLC 0	
2.0 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746A
Dielectric Strength	26 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 2	
Volume Resistivity	1.0E+12 ohms-cm	ASTM D257/IEC 60093
High Voltage, Low Current Arc Resistance	PLC 5	
THERMAL PROPERTIES	VALUE	TEST METHOD
Relative Thermal Index - Electrical Strength		UL 746B
0.8 mm	50 °C	

1.0 mm	50 °C	
1.6 mm	50 °C	
2.0 mm	50 °C	
3.0 mm	50 °C	
Relative Thermal Index - Mechanical Impact		UL 746B
0.8 mm	50 °C	
1.0 mm	50 °C	
1.6 mm	50 °C	
2.0 mm	50 °C	
3.0 mm	50 °C	
Relative Thermal Index - Mechanical Strength		UL 746B
0.8 mm	50 °C	
1.0 mm	50 °C	
1.6 mm	50 °C	
2.0 mm	50 °C	
3.0 mm	50 °C	
Ball Pressure Temperature	155 °C	

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