



Hyosung Chemical Corp

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

File Number: E163907

M33(c)AF2JY, M33AF2Y(e)

Polyketone (PK), pellets

(c) - Represents 1 digit numeric 0-9 which varies based on colors.

(e) - May be replaced by 1-2 letter(s) and 1-3 digit number(s).(coloring code)



Flammability	Value	Test Method
Flame Rating		UL 94
0.8 mm, ALL	V-0	IEC 60695-11-10, -20
1.0 mm, ALL	V-0	
1.6 mm, ALL	V-0	
2.0 mm, ALL	V-0	
3.0 mm, ALL	V-0	
Glow Wire Flammability Index		IEC 60695-2-12
1.0 mm	960 °C	
2.0 mm	960 °C	
3.0 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
1.0 mm	800 °C	
2.0 mm	825 °C	
3.0 mm	825 °C	
Electrical	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	UL 746A
Volume Resistivity	1.0E+12 ohms-cm	ASTM D257 IEC 60093
Arc Resistance	PLC 5	ASTM D495

Component - Plastics

M33(c)AF2JY, M33AF2Y(e)



Thermal	Value	Test Method
RTI Elec		UL 746B
0.8 mm	50.0 °C	
1.0 mm	50.0 °C	
1.6 mm	50.0 °C	
2.0 mm	50.0 °C	
3.0 mm	50.0 °C	
RTI Imp		UL 746B
0.8 mm	50.0 °C	
1.0 mm	50.0 °C	
1.6 mm	50.0 °C	
2.0 mm	50.0 °C	
3.0 mm	50.0 °C	
RTI Str		UL 746B
0.8 mm	50.0 °C	
1.0 mm	50.0 °C	
1.6 mm	50.0 °C	
2.0 mm	50.0 °C	
3.0 mm	50.0 °C	
Ball Pressure Test (155°C)	Pass	IEC 60695-10-2