

Model M25-44(r5), M90-44(r5), M140-44(r5), M270-44(r5), M450-44(r5)

File Number: E45034

Yellow Card™


ALSO CERTIFIED TO
IEC REQUIREMENTS

COMPANY

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MODEL INFO

Duracon: M25-44(r5), M90-44(r5), M140-44(r5), M270-44(r5), M450-44(r5)
Polyoxymethylene (POM), furnished as pellets
(r5) – Virgin and Regrind from 1 to 100% by weight inclusive have the same basic material charactersitics except for the RTI's are 50C for all three properties for Regrind from 26 - 100%

FLAMMABILITY PROPERTIES	额定值	测试方法
Flammability		ANSI/UL 94
0.75 mm, Color: ALL	HB	
1.5 mm, Color: ALL	HB	
3.0 mm, Color: ALL	HB	
ISO/IEC FLAMMABILITY PROPERTIES	额定值	测试方法
Flammability		IEC 60695-11-10
0.75 mm, Color: ALL	HB75	
1.5 mm, Color: ALL	HB75	
3.0 mm, Color: ALL	HB40	
ELECTRICAL PROPERTIES	额定值	测试方法
Hot-wire Ignition (HWI)		UL 746A
0.75 mm	PLC 4	

1.5 mm	PLC 4	
3.0 mm	PLC 3	
High Amp Arc Ignition (HAI)		UL 746A
0.75 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746A
Dielectric Strength	29 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 0	
Volume Resistivity	1.0E+15 ohms-cm	ASTM D257/IEC 60093
High Voltage, Low Current Arc Resistance	PLC 5	
THERMAL PROPERTIES	额定值	测试方法
Relative Thermal Index - Electrical Strength		UL 746B
0.75 mm	110 °C	
1.5 mm	110 °C	
3.0 mm	110 °C	
Relative Thermal Index - Mechanical Impact		UL 746B
0.75 mm	95 °C	
1.5 mm	95 °C	
3.0 mm	95 °C	
Relative Thermal Index - Mechanical Strength		UL 746B
0.75 mm	100 °C	
1.5 mm	100 °C	
3.0 mm	100 °C	
PHYSICAL PROPERTIES	额定值	测试方法
Dimensional Change	0.0 %	ASTM D1042/ISO 2796

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