



Component - Plastics

File Number: E45034

POLYPLASTICS CO LTD

18-1 KONAN 2-CHOME, MINATO-KU, TOKYO 108-8280 JP



DURACON: M25-44(r5), M90-44(r5), M140-44(r5), M270-44(r5), M450-44(r5)

Acetal "Polyoxymethylene" (POM), pellets

(r5) - Virgin and Re grind 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 Re grind from 26 - 100%

Flammability	Value	Test Method
Flame Rating		
0.750 mm, ALL	HB	UL 94
1.50 mm, ALL	HB	UL 94
3.00 mm, ALL	HB	UL 94
3.00 mm, ALL	HB40	IEC 60695-11-10, -20
0.750 mm, ALL	HB75	IEC 60695-11-10, -20
1.50 mm, ALL	HB75	IEC 60695-11-10, -20
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.750 mm	PLC 4	
1.50 mm	PLC 4	
3.00 mm	PLC 3	
High Amp Arc Ignition (HAI)		UL 746
0.750 mm	PLC 0	
1.50 mm	PLC 0	
3.00 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Dielectric Strength	29 kV/mm	ASTM D149 IEC 60243-1
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746
Volume Resistivity	1.0E+15 ohm·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 5	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
0.750 mm	110 °C	
1.50 mm	110 °C	
3.00 mm	110 °C	
RTI Imp		UL 746
0.750 mm	95.0 °C	
1.50 mm	95.0 °C	
3.00 mm	95.0 °C	
RTI Str		UL 746
0.750 mm	100 °C	
1.50 mm	100 °C	
3.00 mm	100 °C	
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042 ISO 2796

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