



# Component - Plastics

File Number: E53664

## MITSUBISHI ENGINEERING-PLASTICS CORP

ENVIRONMENT & QUALITY ASSURANCE DEPT

SHIODOME SUMITOMO-BLDG 25TH FL

1-9-2 HIGASHI-SHINBASHI

MINATO-KU, TOKYO 105-0021 Japan



### 5010N6-6(ccc)

Polybutylene Terephthalate (PBT), pellets

(ccc) - Any combination of any letters excluding a letter "X" and/or any numerals denoting a customer code may or may not follow.

Flammability	Value	Test Method
Flame Rating		UL 94
0.30 mm, ALL	V-0	
0.71 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
Flammability Classification		IEC 60695-11-10, -20
0.30 mm, ALL	V-0	
0.71 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
0.71 mm	PLC 4	
1.5 mm	PLC 4	
3.0 mm	PLC 2	
High Amp Arc Ignition (HAI)		UL 746A
0.71 mm	PLC 2	
1.5 mm	PLC 1	
3.0 mm	PLC 2	
Comparative Tracking Index (CTI)	PLC 1	UL 746A
Dielectric Strength	48 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 2	UL 746A
Volume Resistivity	1.0E+16 ohms-cm	ASTM D257
Volume Resistivity	1.0E+16 ohms-cm	IEC 60093
Arc Resistance	PLC 6	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746B
0.30 mm	75.0 °C	
0.71 mm	140 °C	
1.5 mm	140 °C	
3.0 mm	140 °C	
RTI Imp		UL 746B
0.30 mm	75.0 °C	
0.71 mm	120 °C	
1.5 mm	120 °C	
3.0 mm	120 °C	

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Thermal	Value	Test Method
RTI Str		UL 746B
0.30 mm	75.0 °C	
0.71 mm	140 °C	
1.5 mm	140 °C	
3.0 mm	140 °C	
Physical	Value	Test Method
Dimensional Change	0.0 %	ASTM D1042
Dimensional Change	0.0 %	ISO 2796

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