



Component - Plastics

File Number: E41179

MITSUBISHI ENGINEERING-PLASTICS CORP

ENVIRONMENT & QUALITY ASSURANCE DEPT

SHIODOME SUMITOMO-BLDG 25TH FL

1-9-2 HIGASHI-SHINBASHI

MINATO-KU, TOKYO 105-0021 Japan



luplace: JBS70+

Polyphenylene Ether/Polystyrene (PPE/PS), pellets

+ - Suffix optional, exceptions: The following cannot be used as optional suffixes: "NF" for grade NXG5050, "N" for grade NXG5030, "N" for grade MB2112+, "S1" for grade F20-54, "V" for grades S-2000+(f1), S-2001+(f1), S-2003+(f1), the last letter "L" for grade CFH2520+, "W" for ELV2010 included in Grade ELV20(a5)+.

Flammability	Value	Test Method
Flame Rating		UL 94
0.75 mm, ALL	V-0	
1.0 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
2.0 mm, ALL	5VA	
Flammability Classification		IEC 60695-11-10, -20
0.75 mm, ALL	V-0	
1.0 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
2.0 mm, ALL	5VA	
Glow Wire Flammability Index		IEC 60695-2-12
0.75 mm	960 °C	
1.0 mm	960 °C	
1.5 mm	960 °C	
2.0 mm	960 °C	
3.0 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.75 mm	850 °C	
1.0 mm	850 °C	
1.5 mm	850 °C	
2.0 mm	850 °C	
3.0 mm	850 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
0.75 mm	PLC 1	
1.0 mm	PLC 1	
1.5 mm	PLC 1	
2.0 mm	PLC 1	
3.0 mm	PLC 1	

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Electrical	Value	Test Method
High Amp Arc Ignition (HAI)		UL 746A
0.75 mm	PLC 0	
1.0 mm	PLC 0	
1.5 mm	PLC 0	
2.0 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746A
High Voltage Arc Tracking Rate (HVTR)	PLC 4	UL 746A
Inclined-Plane Tracking	2.0 kV	ASTM D2303
Arc Resistance	PLC 6	ASTM D495
Comparative Tracking Index	600 V	IEC 60112
Thermal	Value	Test Method
RTI Elec		UL 746B
0.75 mm	125 °C	
1.0 mm	125 °C	
1.5 mm	125 °C	
2.0 mm	125 °C	
3.0 mm	125 °C	
RTI Imp		UL 746B
0.75 mm	100 °C	
1.0 mm	115 °C	
1.5 mm	115 °C	
2.0 mm	115 °C	
3.0 mm	115 °C	
RTI Str		UL 746B
0.75 mm	110 °C	
1.0 mm	125 °C	
1.5 mm	125 °C	
2.0 mm	125 °C	
3.0 mm	125 °C	
Ball Pressure Test (135°C)	Pass	IEC 60695-10-2

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