



# 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



### Iuplace: GN10+

Polyphenylene Oxide (PPHOX), pellets, glass reinforced

+ - 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	
1.5 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	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
2.0 mm, ALL	5VA	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
1.5 mm	PLC 0	
3.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746A
1.5 mm	PLC 3	
3.0 mm	PLC 4	
Comparative Tracking Index (CTI)	PLC 3	UL 746A
Dielectric Strength	28 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746A
Volume Resistivity	1.0E+16 ohms-cm	ASTM D257
Volume Resistivity	1.0E+16 ohms-cm	IEC 60093
Arc Resistance	PLC 7	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746B
0.75 mm	110 °C	
1.5 mm	110 °C	
2.0 mm	110 °C	
3.0 mm	110 °C	
RTI Imp		UL 746B
0.75 mm	105 °C	
1.5 mm	105 °C	
2.0 mm	105 °C	
3.0 mm	105 °C	

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Thermal	Value	Test Method
RTI Str		UL 746B
0.75 mm	110 °C	
1.5 mm	110 °C	
2.0 mm	110 °C	
3.0 mm	110 °C	
Physical	Value	Test Method
Dimensional Change	0.0 %	ASTM D1042
Dimensional Change	0.0 %	ISO 2796

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