



## MB4000@

**File Number: E80533**

Yellow Card®

**COMPANY****Mar-Bal Inc**787 Renaissance Parkway  
Painesville, OH 44077 United States**MODEL INFO****MB4000@**

Unsaturated Polyester (UP), glass reinforced, furnished as bulk

@ – Material has been subjected to inclined plane tracking test in accordance with ASTM D-2303, tracking less than 1 inch after 1500 minutes at 2500 volts.

FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		ANSI/UL 94
1.65 mm, Color: ALL	5VA RP15 V-0	
3.0 mm, Color: ALL	5VA RP15 V-0	
ISO/IEC FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		IEC 60695-11-10
1.65 mm, Color: ALL	RP15 V-0	
3.0 mm, Color: ALL	RP15 V-0	
Flammability		IEC 60695-11-20

1.65 mm, Color: ALL

5VA

3.0 mm, Color: ALL

5VA

**ELECTRICAL PROPERTIES****VALUE****TEST METHOD****Hot-wire Ignition (HWI)**

UL 746A

1.65 mm

PLC 1

3.0 mm

PLC 0

**High Amp Arc Ignition (HAI)**

UL 746A

1.65 mm

PLC 0

3.0 mm

PLC 0

**Comparative Tracking Index (CTI)**

PLC 0

UL 746A

**Dielectric Strength**

17 kV/mm

ASTM D149

**High Voltage Arc Tracking Rate (HVTR)**

PLC 0

**Inclined-Plane Tracking (IPT)**

2.5 kV

ASTM D2303

**Volume Resistivity**

1.0E+12 ohms-cm

ASTM D257/IEC  
60093**High Voltage, Low Current Arc Resistance**

PLC 3

**THERMAL PROPERTIES****VALUE****TEST METHOD****Relative Thermal Index - Electrical Strength**

UL 746B

1.65 mm

130 °C

3.0 mm

130 °C

**Relative Thermal Index - Mechanical Impact**

UL 746B

1.65 mm

130 °C

3.0 mm

130 °C

**Relative Thermal Index - Mechanical Strength**

UL 746B

1.65 mm

130 °C

3.0 mm

130 °C

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