UL Product iQ™

MB5500

File Number: E80533

Yellow Card®

COMPANY

Mar-Bal Inc

787 Renaissance Parkway
Painesville, OH 44077 United States

MODEL INFO

MB5500

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

FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		ANSI/UL 94
1.3 mm, Color: ALL	V-0	
2.3 mm, Color: ALL	5VA V-0	
3.0 mm, Color: ALL	5VA V-0	

ISO/IEC FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		IEC 60695-11-10
1.3 mm, Color: ALL	V-0	
2.3 mm, Color: ALL	V-0	
3.0 mm, Color: ALL	V-0	
Flammability		IEC 60695-11-20
2.3 mm, Color: ALL	5VA	

3.0 mm, Color: ALL	5VA	

ELECTRICAL PROPERTIES	VALUE	TEST METHOD
Hot-wire Ignition (HWI)		UL 746A
1.3 mm	PLC 0	
2.3 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746A
1.3 mm	PLC 0	
2.3 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746A
Dielectric Strength	18 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 0	
Volume Resistivity	1.0E+12 ohms·cm	ASTM D257/IEC 60093
High Voltage, Low Current Arc Resistance	PLC 4	

THERMAL PROPERTIES	VALUE	TEST METHOD
Relative Thermal Index - Electrical Strength		UL 746B
1.3 mm	160 °C	
2.3 mm	160 °C	
3.0 mm	160 °C	
Relative Thermal Index - Mechanical Impact		UL 746B
1.3 mm	160 °C	
2.3 mm	160 °C	
3.0 mm	160 °C	
Relative Thermal Index - Mechanical Strength		UL 746B
1.3 mm	170 °C	
2.3 mm	170 °C	
3.0 mm	170 °C	

PHYSICAL PROPERTIES	VALUE	TEST METHOD
Dimensional Stability	0.0 %	ASTM D1042/ISO 2796

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