



## Component - Plastics

File Number: E69414

LyondellBasell Advanced Polymers, Inc.

1221 McKinney St, Suite 300  
Houston, TX 77010 United States



### BMC: BMC 501E

Unsaturated Polyester (UP), Bulk Molding Compound (BMC), bulk, glass reinforced

NOTE - All designations may be followed by numerical suffixes indicating color

Flammability	Value	Test Method
Flame Rating		UL 94
0.06 in, ALL	V-0	
0.12 in, ALL	V-0	
0.24 in, ALL	V-0	
Flammability Classification		IEC 60695-11-10, -20
0.06 in, ALL	V-0	
0.12 in, ALL	V-0	
0.24 in, ALL	V-0	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
0.06 in	PLC 1	
0.12 in	PLC 0	
0.24 in	PLC 0	
High Amp Arc Ignition (HAI)		UL 746A
0.06 in	PLC 0	
0.12 in	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746A
Dielectric Strength	410 V/mil	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746A
Volume Resistivity	1.0E+10 ohms-cm	ASTM D257
Volume Resistivity	1.0E+10 ohms-cm	IEC 60093
Arc Resistance	PLC 4	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746B
0.06 in	266 °F	
0.12 in	266 °F	
0.24 in	266 °F	
RTI Imp		UL 746B
0.06 in	266 °F	
0.12 in	266 °F	
0.24 in	266 °F	
RTI Str		UL 746B
0.06 in	266 °F	
0.12 in	266 °F	
0.24 in	266 °F	
Physical	Value	Test Method
Dimensional Change	0.080 %	ASTM D1042
Dimensional Change	0.080 %	ISO 2796



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