



Component - Plastics

File Number: E36632

BASF CORP

1609 BIDDLE AVE, WYANDOTTE MI 48192-3729



Ultramid: A3EG3

Polyamide 66 (PA66), pellets

Flammability	Value	Test Method
Flame Rating		
0.800 mm, ALL	HB	UL 94
1.70 mm, ALL	HB	UL 94
3.00 mm, ALL	HB	UL 94
3.00 mm, ALL	HB40	IEC 60695-11-10, -20
0.800 mm, ALL	HB75	IEC 60695-11-10, -20
1.70 mm, ALL	HB75	IEC 60695-11-10, -20
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.800 mm	PLC 4	
1.70 mm	PLC 4	
3.00 mm	PLC 4	
High Amp Arc Ignition (HAI)		UL 746
0.800 mm	PLC 0	
1.70 mm	PLC 0	
3.00 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Dielectric Strength	21 kV/mm	ASTM D149 IEC 60243-1
High Voltage Arc Tracking Rate (HVTR)	PLC 1	UL 746
Volume Resistivity	1.0E+12 ohms·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 6	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
0.800 mm	130 °C	
1.70 mm	130 °C	
3.00 mm	130 °C	
RTI Imp		UL 746
1.70 mm	125 °C	
3.00 mm	125 °C	
RTI Str		UL 746
1.70 mm	125 °C	
3.00 mm	125 °C	
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042 ISO 2796

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