



# Component - Plastics

File Number: E36632

**BASF CORP**

1609 BIDDLE AVE, WYANDOTTE MI 48192-3729



**Ultramid: A3EG6**

Polyamide 66 (PA66), pellets

Flammability	Value	Test Method
Flame Rating		
0.750 mm, ALL	HB	UL 94
1.50 mm, ALL	HB	UL 94
3.00 mm, ALL	HB	UL 94
6.00 mm, ALL	HB	UL 94
3.00 mm, ALL	HB40	IEC 60695-11-10, -20
6.00 mm, ALL	HB40	IEC 60695-11-10, -20
0.750 mm, ALL	HB75	IEC 60695-11-10, -20
1.50 mm, ALL	HB75	IEC 60695-11-10, -20
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.750 mm	PLC 4	
1.50 mm	PLC 4	
3.00 mm	PLC 1	
6.00 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
0.750 mm	PLC 0	
1.50 mm	PLC 0	
3.00 mm	PLC 0	
6.00 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Dielectric Strength	23 kV/mm	ASTM D149 IEC 60243-1
High Voltage Arc Tracking Rate (HVTR)	PLC 1	UL 746
Volume Resistivity	1.0E+12 ohm-cm	ASTM D257 IEC 60093
Arc Resistance	PLC 5	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
0.750 mm	120 °C	
1.50 mm	120 °C	
3.00 mm	120 °C	
6.00 mm	120 °C	
RTI Imp		UL 746
1.50 mm	120 °C	
3.00 mm	120 °C	
6.00 mm	120 °C	
RTI Str		UL 746
1.50 mm	130 °C	
3.00 mm	130 °C	
6.00 mm	130 °C	

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Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042 ISO 2796

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