



Component - Plastics

File Number: E189230

BADA AG
UNTERE STRUT 1, BUEHL/BADEN 77815 DE



BADAMID: UL A703 GF(Y Y) FR HF (f1)

Polyamide 66 (PA66), granular material, heat stabilized and flame retardant

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

YY - Refers to two digits from 25 to 30 denoting glass fiber content

Flammability	Value	Test Method
Flame Rating		UL 94
0.40 mm, ALL	V-0	IEC 60695-11-10, -20
0.75 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
Glow Wire Flammability Index		IEC 60695-2-12
0.40 mm	960 °C	
0.75 mm	960 °C	
1.5 mm	960 °C	
3.0 mm	960 °C	
Glow Wire Ignition Temperature (1.5 mm)	775 °C	IEC 60695-2-13
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.40 mm	PLC 0	
0.75 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
0.40 mm	PLC 1	
0.75 mm	PLC 1	
1.5 mm	PLC 1	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746
Volume Resistivity	1.0E+9 ohms-cm	ASTM D257 IEC 60093
Arc Resistance	PLC 6	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
0.40 mm	120 °C	
0.75 mm	120 °C	
1.5 mm	120 °C	
3.0 mm	120 °C	
RTI Imp		UL 746
0.75 mm	120 °C	
1.5 mm	120 °C	
3.0 mm	120 °C	

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Thermal	Value	Test Method
RTI Str		UL 746
0.75 mm	120 °C	
1.5 mm	120 °C	
3.0 mm	120 °C	
Physical	Value	Test Method
Outdoor Suitability	f1	UL 746C

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