

Component - Plastics

E189230

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**BADA AG**

UNTERE STRUT 1, BUEHL/BADEN 77815 DE

**UL B705 GF30 FR05 HF**

Polyamide 6 (PA6) "Badamid", furnished as pellets

<u>Color</u>	<u>Min. Thk (mm)</u>	<u>Flame Class</u>	<u>HWI</u>	<u>HAI</u>	<u>RTI Elec (°C)</u>	<u>RTI Imp (°C)</u>	<u>RTI Str (°C)</u>
ALL	0.75	V-0	0	0	65	65	65
	3.0	V-0	0	0	65	65	65

Comparative Tracking Index (CTI): 0  
 Dielectric Strength (kV/mm): -  
 High-Voltage Arc Tracking Rate (HVTR): -  
 Dimensional Change (%): -  
 Inclined Plane Tracking (IPT) kV: -  
 Volume Resistivity (10<sup>x</sup> ohm-cm): -  
 Surface Resistivity (10<sup>x</sup> ohms/square): -  
 High Volt, Low Current Arc Resis (D495): -

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

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<b>IEC and ISO Test Methods</b>				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.75	V-0 (ALL)
			3.0	V-0 (ALL)
Glow-Wire Flammability (GWF1)	IEC 60695-2-12	°C	0.75	960
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	0.75	775
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC AC Dielectric Strength (AC DS)	IEC 60243-1	kV/mm	-	-
IEC DC Dielectric Strength (DC DS)	IEC 60243-2	kV/mm	-	-
IEC Volume Resistivity (VR)	IEC 62631-3-1	10 <sup>x</sup> ohm-m	-	-
IEC Surface Resistivity (SR)	IEC 62631-3-2	10 <sup>x</sup> ohms	-	-
IEC Inclined Plane Tracking (IPT)	IEC 60587	kV	-	-
IEC Ball Pressure	IEC 60695-10-2	°C	-	-
ISO Heat Deflection (1.80 MPa)	ISO 75-2	°C	-	-
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m <sup>2</sup>	-	-
ISO Izod Impact	ISO 180	kJ/m <sup>2</sup>	-	-
ISO Charpy Impact	ISO 179-1	kJ/m <sup>2</sup>	-	-