PROSPECTOR®

Component - Plastics

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The information presented on the UL Prospector datasheet was acquired by UL Prospector from the producer of the material. UL Prospector makes substantial efforts to assure the accuracy of this data. However, UL Prospector assumes no responsibility for the data values and strongly encourages that upon final material selection, data points are validated with the material supplier.

View additional material information including performance and processing data

Guide Information

View Certificate of Compliance

BADA AG

UNTERE STRUT 1, BUEHL/BADEN 77815 DE

UL B703 GF30 FR03 HF

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

	<u>Min. Thk</u>	<u>Flame</u>			RTI Elec	RTI Imp	RTI Str
<u>Color</u>	<u>(mm)</u>	<u>Class</u>	<u>HWI</u>	<u>HAI</u>	<u>(°C)</u>	(<u>°C)</u>	<u>(°C)</u>
ALL	0.40	V-0	0	0	65	65	65
	0.75	V-0	0	0	65	65	65
	1.5	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^x ohm-cm): -

Surface Resistivity (10^x 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.

Report Date: 2025-07-17 Last Revised: 2025-07-17

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IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.40	V-0 (ALL)
			0.75	V-0 (ALL)
			1.5	V-0 (ALL)
			3.0	V-0 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	0.40	960
			3.0	960
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	0.40	775
			3.0	800
EC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
EC AC Dielectric Strength (AC DS)	IEC 60243-1	kV/mm	-	-
EC DC Dielectric Strength (DC DS)	IEC 60243-2	kV/mm	-	-
EC Volume Resistivity (VR)	IEC 62631-3-1	10 ^x ohm-m	-	-
EC Surface Resistivity (SR)	IEC 62631-3-2	10 ^x ohms	-	-
EC Inclined Plane Tracking (IPT)	IEC 60587	kV	-	-
EC Ball Pressure	IEC 60695-10-2	°C	-	-
SO Heat Deflection (1.80 MPa)	ISO 75-2	°C	-	-
SO Tensile Strength	ISO 527-2	MPa	-	-
SO Flexural Strength	ISO 178	MPa	-	-
SO Tensile Impact	ISO 8256	kJ/m ²	-	-
SO Izod Impact	ISO 180	kJ/m ²	-	-
SO Charpy Impact	ISO 179-1	kJ/m ²	-	-