

Component - Plastics

E41871

**BASF SE**

ENGINEERING PLASTICS EUROPE, E-PME/MP - H201, LUDWIGSHAFEN 67056 DE

**A3EG6(f1)(b1), A3EG6 FC(f1)(b1)**

Polyamide 66 (PA66), "Ultradid", furnished as pellets

Color	Min Thk (mm)	Flame Class	RTI		RTI		RTI
			HWI	HAI	Elec	Imp	Str
ALL	0.75	HB	4	1	120	-	-
	1.5	HB	4	0	120	120	130
	3.0	HB	1	0	120	120	130
	6.0	HB	0	0	120	120	130

Comparative Tracking Index (CTI): **0**Inclined Plane Tracking (IPT): **-**Dielectric Strength (kV/mm): **23**Volume Resistivity (10<sup>x</sup> ohm-cm) : **12**High-Voltage Arc Tracking Rate  
(HVTR): **1**High Volt, Low Current Arc Resis (D495): **5**Dimensional Stability (%): **0**

**(b1) - Virgin and regrind up to 50% by weight have the same basic characteristics with respect to the RTI values except for the impact property for regrind of 26-50% by weight inclusive.**

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

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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**IEC and ISO Test Methods**

Test Name	Test Method	Units	Thickness	
			Tested (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.75	HB75 (ALL)
			1.5	HB75 (ALL)
			3.0	HB40 (ALL)
			6.0	HB40 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	C	-	-
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
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 179-2	kJ/m <sup>2</sup>	-	-

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