UL-File-No. E41871

Component - Plastics E41871

BASF SE

Performance Materials Europe, PMD/EX - H201, Ludwigshafen 67056 DE

A3EG7(t)(f1), A3EG7 FC Aqua, A3EG7 CCYD(f1)

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

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.75	HB	4	1	120	-	-
	1.5	HB	3	0	120	120	130
	3.0	HB	0	0	120	120	130
	6.0	HB	0	0	120	120	130

Comparative Tracking Index (CTI):	0	Inclined Plane Tracking (IPT) kV:	-
Dielectric Strength (kV/mm):	25	Volume Resistivity (10^x ohm-cm):	12
High-Voltage Arc Tracking Rate (HVTR):	1	Surface Resistivity (10^x ohms/square):	-
Dimensional Change (%):	0	High Volt, Low Current Arc Resis (D495):	5

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

(t) - May be followed by the letters LS and a color code indicating laser sensitive coloring.

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: 1980-05-30

Last Revised: 2021-08-10

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All dimensions in mm/inch

The permissible deviations according to DIN 16901 apply as tolerances

Warranties:
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UL-File-No. E41871

IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.75	HB, HB75 (ALL)
			1.5	HB, HB75 (ALL)
			3.0	HB, HB40 (ALL)
			6.0	HB, 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^2	-	-
ISO Izod Impact	ISO 180	kJ/m^2	-	-
ISO Charpy Impact	ISO 179-1	kJ/m^2	-	-

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