

Component - Plastics

E41871

BASF SE

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

A3X2G10(f2), A3X3G10(f2), A3X2G10 LF(f2), A3X2G10 BMB(f2)

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

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec (°C)	RTI Imp (°C)	RTI Str (°C)
NC, BK	0.40	V-2	4	1	65	65	65
	0.60	V-2	1	1	105	105	120
NC, BK, GY	0.75	V-2	1	1	110	115	130
NC, GY	1.5	V-0	0	1	115	115	130
	3.0	V-0	0	1	115	115	130
BK	1.5	V-0, 5VA	0	1	115	115	130
	3.0	V-0, 5VA	0	1	115	115	130
Comparative Tracking Index (CTI):			0	Inclined Plane Tracking (IPT) kV:			-
Dielectric Strength (kV/mm):			21	Volume Resistivity (10 ^x ohm-cm):			13
High-Voltage Arc Tracking Rate (HVTR):			0	Surface Resistivity (10 ^x ohms/square):			-
Dimensional Change (%):			0	High Volt, Low Current Arc Resis (D495):			5

(f2) - Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL.

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: 1974-10-24

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All dimensions in mm/inch

The permissible deviations according to DIN 16901 apply as tolerances

Warranties:
refer to Terms and Conditions of Sale



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data sheet online

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IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10, IEC 60695-11-20	Class (color)	0.40	V-2 (NC, BK)
			0.60	V-2 (NC, BK)
			0.75	V-2 (NC, BK, GY)
			1.5	V-0 (NC, GY)
			3.0	V-0 (NC, GY)
			1.5	V-0, 5VA (BK)
			3.0	V-0, 5VA (BK)
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 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 ^x ohm-m	-	-
IEC Surface Resistivity (SR)	IEC 62631-3-2	10 ^x 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 ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
ISO Charpy Impact	ISO 179-1	kJ/m ²	-	-

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