UL-File-No. E41871

Component - Plastics E41871

BASF SE

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

A3X2G5(f2)(r), A3X2G5 BMB (f2)(r)

Polyamide 66 (PA66), glass reinforced "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	HB	4	0	110	115	-
	0.60	HB	2	0	110	115	-
NC, BK, GY	0.81	V-0	0	0	120	115	130
	1.5	V-0	0	0	120	115	130
	3.0	V-0, 5VA	0	0	120	115	130

Comparative Tracking Index (CTI):	0	Inclined Plane Tracking (IPT) kV:	1
Dielectric Strength (kV/mm):	19	Volume Resistivity (10^x ohm-cm):	11
High-Voltage Arc Tracking Rate (HVTR):	1	Surface Resistivity (10^x ohms/square):	-
Dimensional Change (%):	0	High Volt, Low Current Arc Resis (D495):	6

(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.

(r) - Virgin and regrind up to 50% by weight inclusive have the same flammability characteristics for black (BK) colored material only, excluding UL 746C suitability for outdoor use coverage (f2) and Incline Plane Tracking

colspan="2">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

Last Revised: 2024-12-30

c UL us ALSO CERTIFIED TO IEC REQUIREMENTS

All dimensions in mm/inch

The permissible deviations according to DIN 16901 apply as tolerances

Warranties:
refer to Terms and Conditions of Sale

Valid version of data sheet online

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NORWE GmbH
Paulstraße 5, Pernze
51702 Bergneustadt
Deutschland
Telefon +49 (0) 27 63-807-0
E-mail verkauf@norwe.de
Internet www.norwe.de
www.norwe.eu

NORWE Inc.
P.O. Box 25 11
North Canton, OH 44720-0511
United States of America
Telefon +1-330 497-8113
E-mail usa@norwe.com
Internet www.norwe.com

UL-File-No. E41871

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	HB, HB75 (NC, BK)
			0.60	HB, HB75 (NC, BK)
			0.81	V-0 (NC, BK, GY)
			1.5	V-0 (NC, BK, GY)
			3.0	V-0, 5VA (NC, BK, GY)
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	-	252
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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51702 Bergneustadt
Deutschland
Telefon +49 (0) 27 63-807-0
E-mail verkauf@norwe.de
Internet www.norwe.de
www.norwe.eu

NORWE Inc.
P.O. Box 25 11
North Canton, OH 44720-0511
United States of America
Telefon +1-330 497-8113
E-mail usa@norwe.com
Internet www.norwe.com