搜料网 工程塑料专家

Component - Plastics E41871

BASF SE

Performance Materials Europe, E-PME/NQ - H201, Ludwigshafen 67056 DE

A3X2G5(f2)(r)

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

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
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
	3.0	V-0, 5VA	0	0	120	115	130
	1.5	V-0	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

High Volt, Low Current Arc Resis (D495): 6

Dimensional Stability (%): 0

(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

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: 2015-06-26

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	HB75 (NC, BK)
			0.60	HB75 (NC, BK)
			0.81	V-0 (NC, BK, GY)
			3.0	V-0, 5VA (NC, BK, GY)
			1.5	V-0 (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 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 179-2	kJ/m^2	-	-