

Component - Plastics

Guide Information

KINGFA SCI & TECH CO LTD

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GFPA6-30

Polyamide 6 (PA6), modified, furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.75	HB	4	0	65	65	65
	1.6	HB	4	0	65	65	65
	3.2	HB	4	0	65	65	65

Comparative Tracking Index (CTI): 0
 Dielectric Strength (kV/mm): -
 High-Voltage Arc Tracking Rate (HVTR): -
 Dimensional Stability (%): -

Inclined Plane Tracking (IPT) kV: -
 Volume Resistivity (10^X ohm-cm): -
 Surface Resistivity (10^X ohms/square): -
 High Volt, Low Current Arc Resis (D495): -

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	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.75	HB, HB75 (ALL)
			1.6	HB, HB75 (ALL)
			3.2	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	-	180
ISO Heat Deflection (1.80 MPa)	ISO 75-2	°C	-	-
ISO Tensile Strength	ISO 527-2	MPa	4.0	122
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	4.0	24
ISO Charpy Impact	ISO 179-1	kJ/m ²	-	-