

Component - Plastics

E47960

Guide Information

DSM Engineering Materials B V

Urmonderbaan 22, Geleen 6167 RD NL

K222-KGV4 /A

Polyamide 6 (PA6), glass reinforced "Akulon", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
GY	0.80	V-2	3	0	140	-	130
	1.2	V-2	2	0	140	-	130
	1.5	V-2	2	0	140	-	130
	3.0	V-2	1	0	140	-	130

Comparative Tracking Index (CTI): 0

Dielectric Strength (kV/mm): 12

High-Voltage Arc Tracking Rate (HVTR): -

Dimensional Change (%): -

Inclined Plane Tracking (IPT) kV: -

Volume Resistivity (10^x ohm-cm): 10

Surface Resistivity (10^x ohms/square): -

High Volt, Low Current Arc Resis (D495): 5

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)	0.80	V-2 (GY)
			1.2	V-2 (GY)
			1.5	V-2 (GY)
			3.0	V-2 (GY)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	0.80	960
			1.5	960
			3.0	960
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	-	-
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	CTI575
		Material Group	-	II
IEC Ball Pressure	IEC 60695-10-2	°C	-	200
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	-	-