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The information presented on the UL Prospector datasheet was acquired by UL Prospector from the producer of the material. UL Prospector makes substantial efforts to assure the accuracy of this data. However, UL Prospector assumes no responsibility for the data values and strongly encourages that upon final material selection, data points are validated with the material supplier.

Component - Plastics

E256266

Guide Information

ITW ELECTRONICS COMPONENTS/ PRODUCTS (SHANGHAI) CO LTD

BLDG 5, XINZHUANG INDUSTRIAL PARK, 789 SHENFU RD, SHANGHAI 201108 CN

FORMEX GK-(a)(d)(f1)

Polypropylene (PP), furnished as sheets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
BK	0.20	VTM-0	0	0	115	-	115
	0.37	V-0	0	0	115	-	115
	0.71	V-0	0	0	115	-	115
	3.0	V-0	0	0	115	-	115

Comparative Tracking Index (CTI): 0

Inclined Plane Tracking (IPT) kV: 1.5

Dielectric Strength (kV/mm): 42

Volume Resistivity (10^x ohm-cm): 15

High-Voltage Arc Tracking Rate (HVTR): 0

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

Dimensional Stability (%): 0

(a) - One to three digit suffix indicating nominal thickness in mils.

(d) - May have additional suffix letter(s) indicating color.

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

NOTE - HVTR, CTI and D495 are thickness independent

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	ISO 9773, IEC 60695-11-10	Class (color)	0.20	VTM-0 (BK)
			0.37	V-0 (BK)
			0.71	V-0 (BK)
			3.0	V-0 (BK)
Glow-Wire Flammability (GWF1)	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	-	-
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	-	-