

Component - Plastics

E121855

Guide Information

**FORMEX, DIV OF ILLINOIS TOOL WORKS INC**

425 N Gary Ave, Carol Stream IL 60188

**FORMEX GK-(a)(d)(f2)**

Polypropylene (PP), furnished as sheets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.05	VTM-0	4	0	115	-	115
	0.10	VTM-0	4	0	115	-	115
	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  
 Dielectric Strength (kV/mm): 42  
 High-Voltage Arc Tracking Rate (HVTR): 0  
 Dimensional Stability (%): 0

Inclined Plane Tracking (IPT) kV: 1.5  
 Volume Resistivity (10<sup>x</sup> ohm-cm): 15  
 High Volt, Low Current Arc Resis (D495): 6

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

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

(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.

NOTE - HVTR, CTI and D495 are not dependent on thickness

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)	0.05	VTM-0 (ALL)
			0.10	VTM-0 (ALL)
			0.20	VTM-0 (ALL)
			0.37	V-0 (ALL)
			0.71	V-0 (ALL)
			3.0	V-0 (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	-	-
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 <sup>2</sup>	-	-
ISO Izod Impact	ISO 180	kJ/m <sup>2</sup>	-	-
ISO Charpy Impact	ISO 179-2	kJ/m <sup>2</sup>	-	-