

POLYPLASTICS CO LTD
18-1 KONAN 2 CHOME, MINATO-KU TOKYO 108-8280 JP

E480i(+1)
Liquid Crystal Polymer (LCP) "LAPEROS", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HA1	RTI Elec	RTI Imp	RTI Str
BK	0.15	V-0	-	-	130	130	130
NC, BK	0.20	V-0	4	1	130	130	130
	0.75	V-0	2	0	240	220	240
ALL	1.5	V-0	1	0	240	220	240
	3.0	V-0	0	0	240	220	240

Comparative Tracking Index (CTI): 3
Dielectric Strength (kV/mm): 27
High-Voltage Arc Tracking Rate (HVTR): 0
Dimensional Stability (%): 0.09

Inclined Plane Tracking (IPT) kV: -
Volume Resistivity (10^x ohm-cm): 15
Surface Resistivity (10^x ohms/square): -
High Volt, Low Current Arc Resis (D495): 5

(+1) - Virgin and regrind up to 25% by weight incl. have the same basic material characteristics. In addition 26 to 50% have the same characteristics in NC and BK at a min 1.5mm except the RTI w. imp property is 180C.

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: 1992-08-19
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IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.15	V-0 (BK)
			0.20	V-0 (NC, BK)
			0.75	V-0 (NC, BK)
			1.5	V-0 (ALL)
			3.0	V-0 (ALL)
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 179-1	kJ/m ²	-	-