

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

**E471i(s)**  
Liquid Crystal Polymer (LCP) "LAPEROS", furnished as pellets

<u>Color</u>	<u>Min. Thk (mm)</u>	<u>Flame Class</u>	<u>HWI</u>	<u>HAI</u>	<u>RTI Elec</u>	<u>RTI Imp</u>	<u>RTI Str</u>
NC, BK	0.1	V-0	4	0	130	130	130
	0.75	V-0	4	0	130	130	130
ALL	1.5	V-0	4	0	130	130	130
	3.0	V-0	4	0	130	130	130

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

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

(s) - Virgin and regrind up to 50% by weight incl., have the same basic material characteristics for flammability in NC and BK with a minimum thickness of 0.75mm.  
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: 2000-01-31  
Last Revised: 2020-05-05

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IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.1	V-0 (NC, BK)
			0.75	V-0 (NC, BK)
			1.5	V-0 (ALL)
			3.0	V-0 (ALL)
Glow-Wire Flammability (GWF)	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 179-1	kJ/m <sup>2</sup>	-	-