

POLYPLASTICS CO LTD

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

A130(a)

Liquid Crystal Polymer (LCP), thermotropic aromatic polyester "LAPEROS", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.2	V-0	-	-	130	130	130
	0.45	V-0	-	-	130	130	130
	0.85	V-0	-	-	240	220	220
NC	1.6	V-0, 5VA	2	4	240	220	220
ALL	3.0	V-0, 5VA	1	4	240	220	220

Comparative Tracking Index (CTI): 4

Inclined Plane Tracking (IPT) kV: -

Dielectric Strength (kV/mm): 35

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

High-Voltage Arc Tracking Rate (HVTR): 0

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

Dimensional Stability (%): 0

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

(a) - Virgin and regrind up to 50% by weight incl. have the same basic material characteristics except RTI's are 180C @ a min thickness of 0.75mm for all properties from 26 to 50% incl. Grade has not been evaluated at 0.2 mm for regrind.

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

Last Revised: 2017-06-27

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IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10, IEC 60695-11-20	Class (color)	0.2	V-0 (ALL)
			0.45	V-0 (ALL)
			0.85	V-0 (ALL)
			1.6	V-0, 5VA (NC)
			3.0	V-0, 5VA (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	-	-