

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

S471(kk)(f1), S476(kk)(f1)
Liquid Crystal Polymer (LCP), aromatic "LAPEROS", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAJ	RTI Elec	RTI Imp	RTI Str
NC, BK	0.75	V-0	3	3	240	130	200
	1.5	V-0	3	3	240	130	220
	3.0	V-0	3	3	240	130	240

Comparative Tracking Index (CTI): 3

Dielectric Strength (kV/mm): -

High-Voltage Arc Tracking Rate (HVTR): 4

Dimensional Stability (%): -

Inclined Plane Tracking (IPT) kV: -

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

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

High Volt, Low Current Arc Resis (D495): 4

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


(kk) - Virgin and regrind up to 80% by weight inclusive have the same basic material characteristics with respect to Flammability, and Virgin and regrind up to 50% by weight inclusive have the same basic material characteristics with respect to CTI, and Heat Deflection.

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: 2003-11-03

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	Class (color)	0.75	V-0 (NC, BK)
			1.5	V-0 (NC, BK)
			3.0	V-0 (NC, 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 179-1	kJ/m ²	-	-