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processing data

Component - Plastics

Guide Information

The information presented on the UL Prospector datasheet was acquired by UL Prospector from the producer of the material. UL Prospector makes substantial efforts to assure the accuracy of this data. However, UL Prospector assumes no responsibility for the data values and strongly encourages that upon final material selection, data points are validated with the material supplier. E106764

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

	<u>Min. Thk</u>	<u>Flame</u>			<u>RTI</u>	<u>RTI</u>	<u>RTI</u>
<u>Color</u>	<u>(mm)</u>	<u>Class</u>	<u>HWI</u>	<u>HAI</u>	<u>Elec</u>	<u>lmp</u>	<u>Str</u>
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 Inclined Plane Tracking (IPT) kV: -Dielectric Strength (kV/mm): -Volume Resistivity (10^x ohm-cm): -High-Voltage Arc Tracking Rate (HVTR): 4 Surface Resistivity (10^x ohms/square): -Dimensional Stability (%): -High Volt, Low Current Arc Resis (D495): 4

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 (GWFI)	IEC 60695-2-12	°C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	-	-
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
EC Ball Pressure	IEC 60695-10-2	°C	-	-
SO Heat Deflection (1.80 MPa)	ISO 75-2	°C	-	-
SO Tensile Strength	ISO 527-2	MPa	-	-
SO 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	-	-

⁽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.