

Component - Plastics

E344082

## CELANESE INTERNATIONAL CORP

ZENITE BUSINESS LINE, 8040 DIXIE HWY, FLORENCE KY 41042-2904

### 6130L(m)

Liquid Crystal Polymer (LCP) "ZENITE", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
BK, WT	0.25	V-0	3	4	130	130	130
BK	0.38	V-0	3	4	240	130	130
	0.75	V-0	3	4	240	220	240
WT	1.0	V-0	3	4	240	220	240
ALL	1.5	V-0	1	4	240	220	240
	3.0	V-0	0	4	240	220	240

Comparative Tracking Index (CTI): 3

Inclined Plane Tracking (IPT) kV: -

Dielectric Strength (kV/mm): 21

Volume Resistivity (10<sup>x</sup> ohm-cm): -

High-Voltage Arc Tracking Rate (HVTR): 4

Surface Resistivity (10<sup>x</sup> ohms/square): -

Dimensional Change (%): -

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

RoHS 2011/65/EU & 2015/863 Compliant Material (color: BK)

UL 746H Non-Halogenated Material (color: BK)

(m) - Virgin and regrind up to 50% have the same basic characteristics down to the 0.38 mm thickness except for the Electrical RTI rating below the 0.75 mm thickness.

NOTE (1) Material designations that are color pigmented may be followed by suffix letters and numbers. (2) Material designations may be prefixed by - "ZEN" for Zenite grades.

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: 1989-10-11

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All dimensions in mm/inch

The permissible deviations according to DIN 16901 apply as tolerances

Warranties: refer to Terms and Conditions of Sale



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IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.25	V-0 (BK, WT)
			0.38	V-0 (BK)
			0.75	V-0 (BK)
			1.0	V-0 (WT)
			1.5	V-0 (ALL)
			3.0	V-0 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	0.75	960
			1.0	960
			1.5	960
			3.0	960
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	0.75	850
			1.0	825
			1.5	825
			3.0	875
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>	-	-

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