

Component - Plastics

E344082

## CELANESE INTERNATIONAL CORP

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

### 6130L(m), 6130L ECO-B(m)(S)

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

| Color  | Min. Thk<br>(mm) | Flame<br>Class | HWI | HAI | RTI Elec<br>(°C) | RTI Imp<br>(°C) | RTI Str<br>(°C) |
|--------|------------------|----------------|-----|-----|------------------|-----------------|-----------------|
| 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)

- (S) - A 3-digit number indicating sustainability status
- (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:  
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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 (GWF1)      | 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 AC Dielectric Strength (AC DS) | IEC 60243-1     | kV/mm                 | -        | -            |
| IEC DC Dielectric Strength (DC DS) | IEC 60243-2     | kV/mm                 | -        | -            |
| IEC Volume Resistivity (VR)        | IEC 62631-3-1   | 10 <sup>x</sup> ohm-m | -        | -            |
| IEC Surface Resistivity (SR)       | IEC 62631-3-2   | 10 <sup>x</sup> ohms  | -        | -            |
| IEC Inclined Plane Tracking (IPT)  | IEC 60587       | kV                    | -        | -            |
| 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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All dimensions in mm/inch

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