

Component - Plastics

E344082

CELANESE INTERNATIONAL CORP

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

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

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

Color	Min. Thk (mm)	Flame Class	HWI (PLC)	HAI (PLC)	GWIT (°C)	GWFI (°C)	RTI Elec (°C)	RTI Imp (°C)	RTI Str (°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	850	960	240	220	240
WT	1.0	V-0	3	4	825	960	240	220	240
ALL	1.5	V-0	1	4	825	960	240	220	240
	3.0	V-0	0	4	875	960	240	220	240

Comparative Tracking Index (CTI) (PLC):

3

IEC Comparative Tracking Index (V):

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IEC CTI Material Group:

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Inclined Plane Tracking (IPT) (kV):

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High-Voltage Arc Tracking Rate (HVTR) (PLC):

4

Dielectric Strength (DS) (kV/mm):

21

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

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

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High Volt, Low Current Arc Resis (D495):

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(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. (S) - A 3-digit number indicating sustainability status - (1) Material designations that are color pigmented may be followed by suffix letters and numbers. (2) 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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ALSO CERTIFIED TO IEC REQUIREMENTS

ISO/IEC Flammability Properties	Value		Test Method
Flammability			IEC 60695-11-10
0.25 mm, Color: BK, WT	V-0		
0.38 mm, Color: BK	V-0		
0.75 mm, Color: BK	V-0		
1.0 mm, Color: WT	V-0		
1.5 mm, Color: ALL	V-0		
3.0 mm, Color: ALL	V-0		
Glow Wire Ignition Temperature (GWIT)			IEC 60695-2-13
0.75 mm	850	°C	
1.0 mm	825	°C	
1.5 mm	825	°C	
3.0 mm	875	°C	
Glow Wire Flammability Index (GWFI)			IEC 60695-2-12
0.75 mm	960	°C	
1.0 mm	960	°C	
1.5 mm	960	°C	
3.0 mm	960	°C	