



**Component - Plastics**  
File Number: E83005

**CELANESE INTERNATIONAL CORP**  
VECTRA BUSINESS LINE, 8040 DIXIE HWY, FLORENCE KY 41042



**Vectra: E130i(+8)**

Liquid Crystal Polymer (LCP), pellets, thermotropic aromatic polyester

(+8) - Virgin and regrind up to 50% by weight inclusive have the same properties in all colors to the min. thickness of 1.5 mm except glow wire and the RTI w/lmp which is 180C. Also, virgin and regrind up to 50% by weight inclusive have the same flammability properties in the NC and BK colors to the min. thickness of 0.20 mm.

NOTE - Material designations may be suffixed by D-1, D-2, D-3 or two letters and a minimum of four numbers, indicating specific colors. These products are also produced and marketed by Ticona GmbH, Postfach 1561, 65444 Kelsterbach, Germany.

Flammability	Value	Test Method
Flame Rating		UL 94
0.200 mm, ALL	V-0	IEC 60695-11-10, -20
0.380 mm, ALL	V-0	
0.750 mm, ALL	V-0	
0.850 mm, ALL	V-0	
1.50 mm, ALL	V-0	
3.00 mm, ALL	V-0	
Glow Wire Flammability Index		IEC 60695-2-12
0.380 mm	960 °C	
0.850 mm	960 °C	
1.50 mm	960 °C	
3.00 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.380 mm	825 °C	
0.850 mm	850 °C	
1.50 mm	825 °C	
3.00 mm	850 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.200 mm	PLC 4	
0.380 mm	PLC 4	
0.750 mm	PLC 2	
0.850 mm	PLC 2	
1.50 mm	PLC 1	
3.00 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
0.200 mm	PLC 4	
0.380 mm	PLC 4	
0.750 mm	PLC 4	
0.850 mm	PLC 4	
1.50 mm	PLC 4	
3.00 mm	PLC 4	
Comparative Tracking Index (CTI)	PLC 4	UL 746
Dielectric Strength	39 kV/mm	ASTM D149 IEC 60243-1
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746

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Electrical	Value	Test Method
Volume Resistivity	1.0E+16 ohms·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 5	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
0.200 mm	130 °C	
0.380 mm	130 °C	
0.750 mm	240 °C	
0.850 mm	240 °C	
1.50 mm	240 °C	
3.00 mm	240 °C	
RTI Imp		UL 746
0.200 mm	130 °C	
0.380 mm	130 °C	
0.750 mm	220 °C	
0.850 mm	220 °C	
1.50 mm	220 °C	
3.00 mm	220 °C	
RTI Str		UL 746
0.200 mm	130 °C	
0.380 mm	130 °C	
0.750 mm	240 °C	
0.850 mm	240 °C	
1.50 mm	240 °C	
3.00 mm	240 °C	
Ball Pressure Test (125°C, 3.00 mm)	Pass	IEC 60695-10-2
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042 ISO 2796

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