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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.

E83005

Component - Plastics

Guide Information

CELANESE INTERNATIONAL CORP

VECTRA BUSINESS LINE, 8040 DIXIE HWY, FLORENCE KY 41042

A435

Liquid Crystal Polymer (LCP), thermotropic aromatic polyester "Vectra", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
NC	0.44	V-0	-	-	130	130	130
	0.90	V-0	2	1	130	130	130
	1.7	V-0	1	2	130	130	130
	3.0	V-0	0	2	130	130	130

Comparative Tracking Index (CTI): 3

Dielectric Strength (kV/mm): 42

High-Voltage Arc Tracking Rate (HVTR): 0

Dimensional Stability (%): 0

Inclined Plane Tracking (IPT) kV: -

Volume Resistivity (10^x ohm-cm): 15

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

High Volt, Low Current Arc Resis (D495): 5

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.

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.

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IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.44	V-0 (NC)
			0.90	V-0 (NC)
			1.7	V-0 (NC)
			3.0	V-0 (NC)
Glow-Wire Flammability (GWF1)	IEC 60695-2-12	°C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	-	-
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 ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
ISO Charpy Impact	ISO 179-1	kJ/m ²	-	-