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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.

View additional material information including performance and processing data

Component - Plastics

Guide Information

View Certificate of Compliance

E525490

Sichuan Libowei Advanced Materials Co Ltd

No.326, Tengfei Second Road, Xihanggang Street, Shuangliu District, Chengdu City, Sichuan Province, Chengdu Sichuan 610200 CN

BWRTIFO-AR03

Polycarbonate (PC), furnished as film or sheet

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec (°C)	RTI Imp (°C)	RTI Str (°C)
NC, BK	0.04	VTM-0	3	1	80	80	80
	0.25	VTM-0	3	0	80	80	80
	0.3	V-0	3	0	80	80	80
	1.6-1.76	V-0	0	0	80	80	80

Comparative Tracking Index (CTI): 4

Dielectric Strength (kV/mm): -

High-Voltage Arc Tracking Rate (HVTR): 4

Dimensional Change (%): -

Inclined Plane Tracking (IPT) kV: -

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

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

High Volt, Low Current Arc Resis (D495): 6

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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ALSO CERTIFIED TO
IEC/ISO REQUIREMENTS

IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	ISO 9773, IEC 60695-11-10	Class (color)	0.04	VTM-0 (NC, BK)
			0.25	VTM-0 (NC, BK)
			0.3	V-0 (NC, BK)
			1.6-1.76	V-0 (NC, BK)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	-	-
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 ^x ohm-m	-	-
IEC Surface Resistivity (SR)	IEC 62631-3-2	10 ^x 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 ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
ISO Charpy Impact	ISO 179-1	kJ/m ²	-	-