CLICK TO CONTINUE

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.

E205256

View additional material information including performance and processing data values and strongly encourages that upon final material selection, data points are validated with the material supplier.

Component - Plastics
Guide Information

View Certificate of Compliance

STAR PLASTICS INC

326 JACK BURLINGAME DR, MILLWOOD WV 25262-8577

PC74(WD)(f2)

Polycarbonate (PC) "ORION", furnished as pellets

	<u>Min. Thk</u>	<u>Flame</u>			<u>RTLEIEC</u>	<u>RII Imp</u>	RIIStr
<u>Color</u>	<u>(mm)</u>	<u>Class</u>	<u>HWI</u>	<u>HAI</u>	<u>(°C)</u>	<u>(°C)</u>	<u>(°C)</u>
ALL	1.5	V-0	3	0	125	115	125
	2.5	V-0	3	1	125	115	125
	3.0	V-0, 5VA	2	1	125	115	125
	3.8	V-0, 5VA	-	-	125	115	125

Comparative Tracking Index (CTI): 2 Inclined Plane Tracking (IPT) kV: Dielectric Strength (kV/mm): 24 Volume Resistivity (10^X ohm-cm): 15
High-Voltage Arc Tracking Rate (HVTR): 3 Surface Resistivity (10^X ohms/square): Dimensional Change (%): 0 High Volt, Low Current Arc Resis (D495): 6

(WD) - Denotes a 2 digit number from 00 to 99 representing a customer code. All colors except CL.

(f2) - Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL.

NOTE - Material designations may be followed by numbers and/or letters representing color and/or granulation and/or lubrication.

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: 2017-05-08 Last Revised: 2023-03-28

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IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10, IEC 60695-11-20	Class (color)	1.5	V-0 (ALL)
			2.5	V-0 (ALL)
			3.0	V-0, 5VA (ALL)
			3.8	V-0, 5VA (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	3.8	960
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	3.8	775
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	-	-
EC Surface Resistivity (SR)	IEC 62631-3-2	10 ^x ohms	-	-
EC Inclined Plane Tracking (IPT)	IEC 60587	kV	-	-
EC Ball Pressure	IEC 60695-10-2	°C	-	-
SO Heat Deflection (1.80 MPa)	ISO 75-2	°C	4.0	137
SO Tensile Strength	ISO 527-2	MPa	-	-
SO Flexural Strength	ISO 178	MPa	-	-
SO Tensile Impact	ISO 8256	kJ/m ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
SO Charpy Impact	ISO 179-1	kJ/m ²	-	-