

Component - Plastics

E205256

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

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec (°C)	RTI Imp (°C)	RTI Str (°C)
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<sup>x</sup> ohm-cm): 15

High-Voltage Arc Tracking Rate (HVTR): 3

Surface Resistivity (10<sup>x</sup> 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.

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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 <sup>x</sup> ohm-m	-	-
IEC Surface Resistivity (SR)	IEC 62631-3-2	10 <sup>x</sup> 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	4.0	137
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m <sup>2</sup>	-	-
ISO Izod Impact	ISO 180	kJ/m <sup>2</sup>	-	-
ISO Charpy Impact	ISO 179-1	kJ/m <sup>2</sup>	-	-