



Component – Plastics

E205256

Star Plastics, LLC

326 Jack Burlingame Dr, Millwood, WV 25262 USA

Material Designation: Orion™ PC/ABSFR9001

Product Description: Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS), Furnished as Pellets

Color	Min Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI IMP	RTI Str
ALL	0.80	HB	-	-	60	60	60
	15	V-0	-	-	60	60	60
	3.0	V-0, 5VA	2	-			

Comparative Tracking Index (CTI): -
 Dielectric Strength (kV/mm): -
 High-Voltage Arc Tracking Rate (HVTR): -
 Dimensional Stability (%): -

Inclined Plane Tracking (IPT): -
 Volume Resistivity (10⁹ohm-cm): -
 High Volt, Low Current Arc Resis (D495): -

(AA) – Represents number 401-499 indicative of customer code.

(g) – Represents a four-digit character code.

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 appliance, where the acceptability of the combination is determined by UL.

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IEC and ISO Test Methods

Test Name	Test Method	Units	Thickness Tested (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	1.5, 3.0 3.0	V-0 (ALL) 5VA (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	C	-	-
Glow-Wire Ignition (GWI)	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 179-2	kJ/m ²	-	-