

Component - Plastics

E45329

Guide Information

SABIC INNOVATIVE PLASTICS B V

EUROPE - RESIN, PLASTICSLAAN 1, BERGEN OP ZOOM 4612 PX NL

C2950

Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS) "Cycology", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	1.0	-	-	-	60	60	60
	1.5	V-0	3	0	85	75	85
	2.0	V-0	3	0	85	75	85
	2.5	V-0, 5VB	2	0	85	75	85
	3.0	V-0, 5VB	1	0	85	85	85

Comparative Tracking Index (CTI): 0
Dielectric Strength (kV/mm): 30

Inclined Plane Tracking (IPT) kV: -
Volume Resistivity (10^x ohm-cm): 16

High-Voltage Arc Tracking Rate (HVTR): 2

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

Dimensional Stability (%): 0

NOTE - Material designation may be followed by a color nomenclature consisting of either an alpha/numeric or a numeric/alpha combination.

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
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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)
			2.0	V-0 (ALL)
			2.5	V-0, 5VB (ALL)
			3.0	V-0, 5VB (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	1.0	960
			1.5	960
			2.0	960
			2.5	960
			3.0	960
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	1.0	825
			1.5	800
			2.0	800
			2.5	800
			3.0	800
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	°C	-	75
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	-	-