Component - Plastics E53664

Guide Information

MITSUBISHI ENGINEERING-PLASTICS CORP

ENVIRONMENT & QUALITY ASSURANCE DEPT, SHIODOME SUMITOMO-BLDG 25TH FL, 1-9-2 HIGASHI-SHINBASHI, MINATO-KU TOKYO 105-0021 JP

7030(I)

Polycarbonate (PC) "NOVAREX", furnished as pellets, powder

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.50	HB	-	-	80	80	80
	1.5	HB	2	0	125	115	125
	3.0	HB	1	0	125	115	125

Comparative Tracking Index (CTI): 2

Dielectric Strength (kV/mm): 29

High-Voltage Arc Tracking Rate (HVTR): 2

Dimensional Stability (%): 0

Inclined Plane Tracking (IPT) kV: -

Volume Resistivity (10^x ohm-cm): 25

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

High Volt, Low Current Arc Resis (D495): 5

(I) - Followed by A, FD, HF, I, IR, IRF, IS, L1, L2, L3, P, PFD, PHF, PI, PIR, PIS, PR, PS, PU, R, S, U, W.

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: 1978-04-10

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IEC and ISO Test Methods

Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.50	HB, HB75 (ALL)
			1.5	HB, HB75 (ALL)
			3.0	HB, HB40 (ALL)
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 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	-	-