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E41179

Component - Plastics

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

E-2000(&4)(f1), E-2001(&4)(f1), E-2003(&4)(f1)
Polycarbonate (PC), insulating material "Iupilon", furnished as pellets, powder, sheets


Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.50	HB	0	0	80	80	80
	1.5	HB	3	0	125	115	125
	3.0	HB	3	0	125	115	125
	6.0	HB	0	0	125	115	125
Comparative Tracking Index (CTI): 2				Inclined Plane Tracking (IPT) kV: -			
Dielectric Strength (kV/mm): 20				Volume Resistivity (10 ^x ohm-cm): 7			
High-Voltage Arc Tracking Rate (HVTR): 0				Surface Resistivity (10 ^x ohms/square): -			
Dimensional Stability (%): 0				High Volt, Low Current Arc Resis (D495): 6			

(&4) - Suffix optional except DC and UDC.
(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.
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	Class (color)	0.50	HB, HB75 (ALL)
			1.5	HB, HB75 (ALL)
			3.0	HB, HB40 (ALL)
			6.0	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	-	-