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Component - Plastics

Guide Information

E41179

MITSUBISHI ENGINEERING-PLASTICS CORP

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

**S-1000(&5), S-1001(&5), S-1003(&5)**  
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	0.38	V-2	-	-	80	80	80
	1.4	V-2	-	-	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 <sup>x</sup> ohm-cm): 7				
High-Voltage Arc Tracking Rate (HVTR): 0			Surface Resistivity (10 <sup>x</sup> ohms/square): -				
Dimensional Stability (%): 0			High Volt, Low Current Arc Resis (D495): 6				

(&5) - Suffix optional except DC and UDC.

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)	0.38	V-2 (ALL)
			1.4	V-2 (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 <sup>2</sup>	-	-
ISO Izod Impact	ISO 180	kJ/m <sup>2</sup>	-	-
ISO Charpy Impact	ISO 179-1	kJ/m <sup>2</sup>	-	-