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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

**FPR3500+**  
Polycarbonate (PC), insulating material "Iupilon", furnished as pellets

<u>Color</u>	<u>Min. Thk (mm)</u>	<u>Flame Class</u>	<u>HWI</u>	<u>HA</u>	<u>RTI Elec</u>	<u>RTI Imp</u>	<u>RTI Str</u>
ALL	0.38	V-2	-	-	80	80	80
	0.75	V-0	4	2	80	80	80
	2.0	5VB	-	-	80	80	80
	3.0	V-0	2	1	80	80	80
Comparative Tracking Index (CTI): 2			Inclined Plane Tracking (IPT) kV: -				
Dielectric Strength (kV/mm): -			Volume Resistivity (10 <sup>x</sup> ohm-cm): -				
High-Voltage Arc Tracking Rate (HVTR): 2			Surface Resistivity (10 <sup>x</sup> ohms/square): -				
Dimensional Stability (%): -			High Volt, Low Current Arc Resis (D495): 7				
+ - Suffix optional, exceptions: The following cannot be used as optional suffixes: "NF" for grade NXG5050, "N" for grade NXG5030, "N" for grade MB2112+, "S1" for grade F20-54, "V" for grades S-2000+(f1), S-2001+(f1), S-2003+(f1), the last letter "L" for grade CFH2520+, "W" for ELV2010 included in Grade ELV20(a5)+.							

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, IEC 60695-11-20	Class (color)	0.38	V-2 (ALL)
			0.75	V-0 (ALL)
			2.0	5VB (ALL)
			3.0	V-0 (ALL)
Glow-Wire Flammability (GWF)	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>	-	-