## **PROSPECTOR®**

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The information presented on the UL Prospector datasheet was acquired by UL Prospector from the producer of the material. UL pspector makes substantial efforts to assure the accuracy of this data. However, UL Prospector assumes no responsibility for the data values and strongly encourages that upon final material selection, data points are validated with the material supplier.

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

## F20-(X2)+ (d)

Acetal Polyoxymethylene (POM) "lupital", furnished as pellets

<u>Color</u>	<u>Min. Thk</u> <u>(mm)</u>	<u>Flame</u> <u>Class</u>	<u>HWI</u>	<u>HAI</u>	<u>RTI</u> <u>Elec</u>	<u>RTI</u> Imp	<u>RTI</u> <u>Str</u>
ALL	0.75	HB	-	-	110	95	100
	1.5	HB	4	0	120	95	100
	3.0	HB	3	0	120	95	100
	6.0	HB	3	0	120	95	100
Comparative Tracking Index (CTI): 1			Inclined Plane Tracking (IPT) kV: -				
Dielectric Strength (kV/mm): 27			Volume Resistivity (10 <sup>x</sup> ohm-cm): 9				

Dielectric Strength (kV/mm): 27

### High-Voltage Arc Tracking Rate (HVTR): 0 Dimensional Stability (%):0

(X2) - Replaced with two digits 00 - 49.

(d) - Recognized for use up to 100% regrind.

+ - Suffix optional, exceptions: The following cannot be used as optional suffixes: "A" for 1501, 1502, 1511, 1521 & 2502, "N" for NXG5050, NXG5030, NXG5501, & CGF-(v)(u), "S1" for F20-54, "R" for grade MB2211, "V" for grades S-3000+(f1), S-3001+(f1), S-3003+(f1) & S-2000+(f1), S-2001+(f1), S-2003+(f1).

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

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: 1983-04-06 Last Revised: 2014-02-26

IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.75	HB75 (ALL)
			1.5	HB75 (ALL)
			3.0	HB40 (ALL)
			6.0	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 179-2	kJ/m <sup>2</sup>	-	-