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The information presented on the UL Prospector datasheet was acquired by UL Prospector from the producer of the material. UL Prospector 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.

E121562

Component - Plastics

Guide Information

SABIC INNOVATIVE PLASTICS US L L C
AMERICAS - RESIN, 1 PLASTICS AVE, PITTSFIELD MA 01201-3662

MG38(GG)(uv), MG38N(uv), MG38F(uv), MGABS01(uv)
Acrylonitrile Butadiene Styrene (ABS) "Cycolac", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
BL, GN	1.0	-	-	-	60	60	60
	1.5	HB	4	0	60	60	60
	2.0	HB	4	0	60	60	60
	3.0	HB	4	0	60	60	60
	6.0	HB	4	0	60	60	60

Comparative Tracking Index (CTI): 0

Inclined Plane Tracking (IPT) kV: -

Dielectric Strength (kV/mm): 25

Volume Resistivity (10^x ohm-cm): 16

High-Voltage Arc Tracking Rate (HVTR): 2

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

Dimensional Stability (%): 0.73

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

(GG) - Denotes a global grade formulation previously in File E161759.

(uv) - Although this grade received a (f2) rating, the physical property and flammability test data were different from the other grades in this grouping.


NOTE - Material designation may be followed by a color nomenclature consisting of either an alpha/numeric or numeric/alpha combination.

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)	1.5	HB, HB75 (BL, GN)
			2.0	HB, HB75 (BL, GN)
			3.0	HB, HB40 (BL, GN)
			6.0	HB, HB40 (BL, GN)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	1.0	650
			1.5	650
			2.0	650
			3.0	650
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	6.0	650
			1.0	700
			1.5	700
			2.0	700
			3.0	700
			6.0	700
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	-	-