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E121562

Component - Plastics

Guide Information

SABIC INNOVATIVE PLASTICS US L L C

AMERICAS - RESIN, 1 PLASTICS AVE, PITTSFIELD MA 01201-3662

MG47(GG)

Acrylonitrile Butadiene Styrene (ABS) "Cyclocac", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
BL, GN	1.5	HB	4	0	60	60	60
	3.0	HB	3	0	60	60	60
	6.0	HB	3	0	60	60	60

Comparative Tracking Index (CTI): 0

Inclined Plane Tracking (IPT) kV: -

Dielectric Strength (kV/mm): 33

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

High-Voltage Arc Tracking Rate (HVTR): 3

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

Dimensional Stability (%): 0.04

High Volt, Low Current Arc Resis (D495): 6

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

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)
			3.0	HB, HB40 (BL, GN)
			6.0	HB, HB40 (BL, GN)
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	-	-