

Component - Plastics

E45329

SABIC INNOVATIVE PLASTICS B V

EUROPE - RESIN, PLASTICSLAAN 1, BERGEN OP ZOOM 4612 PX NL

**GPM5500(GG)(f2)\$, GPM-5500(GG)(f2)\$, GPM5500S(f2)\$,
GPM5500T(f2)\$, GPM5500P(f2)\$****Acrylonitrile Butadiene Styrene (ABS), "Cyclocac", furnished as pellets**

Color	Min Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
\$	1.0	-	-	-	60	60	60
	1.5	HB	4	0	65	80	65
	2.0	HB	4	0	65	80	65
	3.0	HB	3	0	65	80	65

Comparative Tracking Index (CTI): **0**Dimensional Stability (%): **0.28**High-Voltage Arc Tracking Rate
(HVTR): **2**High Volt, Low Current Arc Resis (D495): **6**Dielectric Strength (kV/mm): **34**Volume Resistivity (10^x ohm-cm) : **16**

\$ - Represents all colors except blue and green. Acceptable colors are denoted by the material designation followed by any numerical value except 5 or 9 or any alpha except BL or GN.

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

(f2) - Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL.

NOTE - Material designation may be followed by a color nomenclature consisting of either an alpha/numeric or a 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	Thickness Tested (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	1.5	HB75 (\$)
			2.0	HB75 (\$)
			3.0	HB40 (\$)
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	1.0	700
			1.5	700
			2.0	700
			3.0	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 179-2	kJ/m ²	-	-

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