

**Product Texts**

Base Polymer	Acrylonitrile/Butadiene/Styrene/Copolymer
Filler/Additive System	8 % carbon fibres
Special Features	electrically conductive, reduced surface resistivity
Market Segment	Automotive, Machinery
Application Area	injection moulded parts
Typical Applications	housings, functional components

**Processing/Physical Characteristics**

	Value	Unit	Test Standard
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**ISO Data**

<sup>[C]</sup> Melt volume-flow rate, MVR	12	cm <sup>3</sup> /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-

[C]: CAMPUS

**Mechanical properties**

	Value	Unit	Test Standard
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**ISO Data**

<sup>[C]</sup> Tensile Modulus	6900	MPa	ISO 527
<sup>[C]</sup> Stress at break	65	MPa	ISO 527
<sup>[C]</sup> Strain at break	1.2	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	18	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	5	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

**Thermal properties**

	Value	Unit	Test Standard
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**ISO Data**

<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	101	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	102	°C	ISO 306

[C]: CAMPUS

**Electrical properties**

	Value	Unit	Test Standard
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**ISO Data**

<sup>[C]</sup> Surface resistivity	100	Ohm	IEC 62631-3-2
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[C]: CAMPUS

**Other properties**

	Value	Unit	Test Standard
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<sup>[C]</sup> Density	1080	kg/m <sup>3</sup>	ISO 1183
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[C]: CAMPUS

**Characteristics****Processing**

Injection Molding

**Applications**

Automotive, Encapsulation

**Special Characteristics**

Increased electrical conductivity

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

**Features**

Copolymer

**Other text information****Injection molding**

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-4 h 80 °C in an air circulating dryer for 3-6 h
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	dependant on moisture content
Processing Injection Moulding	melt temperature 230-270 °C mould temperature 60-90 °C
Storage	dry, protected from light not above 30°C