

Product Texts

Base Polymer	Polyurethane, Estertype
Filler/Additive System	12 % carbon fibres
Special Features	electrically conductive, reduced surface resistivity
Market Segment	Automotive, Machinery
Application Area	various
Typical Applications	functional components

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	400	MPa	ISO 527
^[C] Stress at break	39	MPa	ISO 527
^[C] Strain at break	32	%	ISO 527
^[C] Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	68	kJ/m ²	ISO 179/1eA
^[C] Shore D hardness	50	-	ISO 7619-1

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Surface resistivity	100	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1240	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific, Near East/Africa

Special Characteristics

Increased electrical conductivity

Other text information**Injection molding**

Pre-Drying Conditions	in a dry air (dessiccant) dryer 80-110 °C for 1-3 h in an air circulating dryer 80-110 °C for 1-3 h max. moisture content <0,05 %
Processing Injection Moulding	melt temperature 210-230 °C mould temperature 20-40 °C
Processing Extrusion	melt temperature 200-220 °C
Storage	dry, protected from light not above 30°C