TEDUR L 9412-3.2

(PPS+PTFE)-(CF+CD)20 MOCOM Compounds GmbH & Co. KG

Product Texts	
Base Polymer	Polyphenylene Sulphide
Filler/Additive System	10 % carbon fibres,10 % graphite,10 % PTFE
Special Features	reduced surface resistivity,electrically conductive,improved sliding / wear
Market Segment	Automotive,Machinery,electrical and electronic
Typical Applications	functional components,housings,bearings and sliding elements

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**13900**	MPa	ISO 527
[C] Stress at break	**135**	MPa	ISO 527
[C] Strain at break	**1.3**	%	ISO 527
[C] Charpy impact strength, +23°C	**20**	kJ/m²	ISO 179/1eU

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**273**	°C	ISO 75-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
[C] Surface resistivity	**150**	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1490**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing	Regional Availability
Injection Molding	North America, Europe, Asia Pacific, Near East/Africa

Other text information

Injection molding

Pre-Drying Conditions	in a dry air (dessiccant) dryer 130-140 °C for 2-4 h dependant on moisture content max. moisture content <0,02 %
Processing Injection Moulding	melt temperature 320-340 °C mould temperature >140 °C
Storage	dry, protected from light