

Product Texts

Base Polymer	Polyamide 6
Filler/Additive System	special filler
Special Features	thermal conductive,electrically insulating,heat stabilised,halogen-free flame retardant,opaque
Market Segment	Automotive,Machinery,electrical and electronic,Lighting
Application Area	radiator systems,cooling system
Typical Applications	housings,functional components,plugs / connectors,lamp sockets

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	10000	MPa	ISO 527
^[C] Stress at break	80	MPa	ISO 527
^[C] Strain at break	1.5	%	ISO 527
^[C] Charpy impact strength, +23°C	30	kJ/m ²	ISO 179/1eU

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	175	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	215	°C	ISO 306
^[C] Burning Behav. at 1.5 mm nom. thickn.	V-2	class	IEC 60695-11-10
Thickness tested	1.5	mm	-

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Electric strength	27	kV/mm	IEC 60243-1
^[C] Comparative tracking index	600	-	IEC 60112

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1630	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Regional Availability

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

Special Characteristics

Flame retardant, Thermally Conductive

Other text information**Injection molding**

Pre-Drying Conditions 80 °C in a dry air (dessiccant) dryer
for 2-12 h
max. moisture content <0,15 %

Processing Injection Moulding melt temperature 280-300 °C
mould temperature 100-120 °C

Storage dry, protected from light