

Product Texts

Base Polymer	Acrylonitrile/Butadiene/Styrene/Copolymer
Filler/Additive System	20 % glass fibres
Special Features	injection moulding grade, processing stabilised
Market Segment	various

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	5	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-

[C]: CAMPUS

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	5800	MPa	ISO 527
^[C] Stress at break	70	MPa	ISO 527
^[C] Strain at break	1.6	%	ISO 527
^[C] Charpy impact strength, +23°C	18	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	6	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties

	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	102	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	103	°C	ISO 306

[C]: CAMPUS

Other properties

	Value	Unit	Test Standard
^[C] Density	1180	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Features

Copolymer

Regional Availability

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

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
Processing Injection Moulding	melt temperature 220-260 °C mould temperature 50-80 °C
Storage	dry, protected from light not above 30°C