

Product Texts

Base Polymer	Acrylonitrile/Butadiene/Styrene/Copolymer
Special Features	good flow, processing stabilised, UV stabilised
Market Segment	Information Technology, electrical and electronic, various
Application Area	telecommunications, consumer electronics, various
Typical Applications	display elements, keyboards, various

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	30	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-

[C]: CAMPUS

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2500	MPa	ISO 527
^[C] Yield stress	45	MPa	ISO 527
^[C] Yield strain	2.5	%	ISO 527
^[C] Charpy impact strength, +23°C	80	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	12	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	80	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	95	°C	ISO 306

[C]: CAMPUS

Other properties

	Value	Unit	Test Standard
^[C] Density	1100	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Features

Copolymer

Special Characteristics

U.V. stabilized or stable to weather

Regional Availability

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

Other text information**Injection molding**

Pre-Drying Conditions 80 °C in an air circulating dryer
for 3-6 h
80 °C in a dry air (desiccant) dryer
for 2-4 h
dependant on moisture content

Processing Injection Moulding melt temperature 220-260 °C
mould temperature 50-80 °C

Storage dry, protected from light
not above 30°C