

Product Texts

Base Polymer	Acrylonitrile/Butadiene/Styrene/Copolymer
Special Features	high surface quality, injection moulding grade
Application Area	gardening tools
Typical Applications	housings

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	19	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-

[C]: CAMPUS

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2300	MPa	ISO 527
^[C] Yield stress	45	MPa	ISO 527
^[C] Yield strain	2.6	%	ISO 527
^[C] Charpy impact strength, +23°C	100	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	20	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	96	°C	ISO 306
^[C] Burning Behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-

[C]: CAMPUS

Other properties

	Value	Unit	Test Standard
^[C] Density	1040	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Features

Copolymer

Special Characteristics

Anti-static, 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 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