

Product Texts

Base Polymer	Acrylonitrile/Butadiene/Styrene/Copolymer
Filler/Additive System	hygienic material,light stabiliser
Colour	white,similar to RAL 9003,greysimilar to RAL 7004,similar to RAL 7015,similar to RAL 7043
Special Features	antibacterial acc. to ISO 22196:2011,permanent antibacterial,anti-microbial,contain no nanosilver,processing stabilised,UV stabilised
Market Segment	packaging,Personal care,household goods,Furniture,building and construction,sport and leisure
Application Area	injection moulded parts
Typical Applications	sanitary articles,hygiene products,domestic appliances,functional components,handles,fittings

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	2300	MPa	ISO 527
^[C] Yield stress	42	MPa	ISO 527
^[C] Yield strain	2.2	%	ISO 527
^[C] Charpy impact strength, +23°C	70	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	15	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	94	°C	ISO 306

[C]: CAMPUS

Other properties

	Value	Unit	Test Standard
^[C] Density	1060	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Applications

Packaging

Special Characteristics

U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Regional Availability

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

Features

Copolymer

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
max. moisture content <0,10 %

Processing Injection Moulding melt temperature 220-260 °C

mould temperature 50-80 °C

Storage

dry, protected from light
tightly sealed