

Product Texts

Base Polymer	Polyamide 6
Filler/Additive System	hygienic material,light stabiliser
Colour	white,similar to RAL 9003,similar to RAL 9016
Special Features	antibacterial acc. to ISO 22196:2011,permanent antibacterial,anti-microbial,contain no nanosilver,UV stabilised,easy release (demoulding),good flow
Market Segment	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,housings,handles,fittings,clothing / fasteners

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	3000	MPa	ISO 527
^[C] Yield stress	82	MPa	ISO 527
^[C] Yield strain	3.8	%	ISO 527
^[C] Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	5	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	57	°C	ISO 75-1/-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1160	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Applications

Building Construction, Sports Equipment

Delivery form

White

Regional Availability

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

Special Characteristics

Light stabilized or stable to light, U.V. stabilized or stable to weather

Other text information**Injection molding**

Pre-Drying Conditions	80 °C in a dry air (desiccant) dryer for 2-12 h max. moisture content <0,12 %
Processing Injection Moulding	melt temperature 250-270 °C mould temperature 40-80 °C
Storage	dry, protected from light tightly sealed