ALCOM HM PP 1000 18038

PP — MOCOM Compounds GmbH & Co. KG

Product Texts	
Base Polymer	Polypropylene Copolymer
Filler/Additive System	hygienic material
Colour	silver,metallic,similar to RAL 9022,similar to RAL 9023
Special Features	antibacterial acc. to ISO 22196:2011,permanent antibacterial,anti-microbial,contain no nanosilver,heat stabilised
Market Segment	packaging,Personal care,household goods,Furniture,building and construction
Application Area	injection moulded parts
Typical Applications	sanitary articles,hygiene products,kitchen ware,functional components,housings,handles,containers,caps / closures

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**38**	cm³/10min	ISO 1133
Temperature	**230**	°C	-
Load	**2.16**	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**900**	MPa	ISO 527
[C] Yield stress	**20**	MPa	ISO 527
[C] Yield strain	**5.4**	%	ISO 527
[C] Charpy impact strength, +23°C	**N**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**12**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**50**	°C	ISO 75-1/-2
[C] Vicat softening temperature, B	**60**	°C	ISO 306

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**910**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Applications
Building Construction, Packaging

Special Characteristics
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	in a dry air (dessiccant) dryer 80-100 °C for 2-3 h in an air circulating dryer 80-100 °C for 2-4 h max. moisture content <0,10 %
Processing Injection Moulding	melt temperature 200-270 °C

	mould temperature 20-70 °C
Storage	dry, protected from light tightly sealed