

ALCOM MED PP 4930 17007

(Last update: 01.02.2024)

MOCOM

Base Polymer	Polypropylene Homopolymer
Filler/Additive System	30 % talcum
Special Features	injection moulding grade, heat stabilised, easy release (demoulding)
Market Segment	Medical / Personal Care
Application Area	medical devices, various
Typical Applications	injection moulded parts

Pre-Drying Conditions	in an air circulating dryer 80-120 °C for 2-4 h in a dry air (dessiccant) dryer 80-120 °C for 2-3 h dependant on moisture content
Processing Injection Moulding	melt temperature 200-270 °C mould temperature 20-90 °C
Storage	dry, protected from light
Minimum Shelf Life	months <24

Properties	Value	Dimension	Based on Test Norm
Mechanical Properties			
Flexural Modulus	2800	MPa	ISO 178
Flexural Stress (3.5% Strain)	40	MPa	ISO 178
Tensile Modulus	2600	MPa	ISO 527
Tensile Stress at Yield	30	MPa	ISO 527
Tensile Elongation at Yield	6.3	%	ISO 527
Tensile Elongation at Break	25	%	ISO 527
Impact Strength (Charpy, 23 °C)	55	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40 °C)	15	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23 °C)	3.5	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40 °C)	1.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	86	°C	ISO 306
HDT / A (1,8 MPa)	76	°C	ISO 75-1/-2
DSC (Melt Point)	163	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	10	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	0.6 - 1	%	ISO 294-4
Shrinkage (lateral, 24h)	1.2 - 1.6	%	ISO 294-4



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Physical Properties

Density	1160	kg/m ³	ISO 1183
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Liability Exclusion

These are guide values and not a specification. The test values mentioned are representative values only and not binding minimum or maximum figures. These test values have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions.

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