

CELLIDOR CP 300-10

(Last update: 20.05.2022)

MOCOM

Base Polymer	CelluloseAcetatePropionate
Filler/Additive System	10 % phthalate-free plasticiser
Typical Applications	toothbrushes,various

Pre-Drying Conditions	in an air circulating dryer 60-90 °C for 2-4 h dependant on moisture content 0,15 % max. moisture content
Processing Injection Moulding	melt temperature 180-230 °C mould temperature 40-80 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	1900	MPa	ISO 178
Flexural Stress (3.5% Strain)	50	MPa	ISO 178
Tensile Modulus	1950	MPa	ISO 527
Tensile Stress at Yield	45	MPa	ISO 527
Tensile Elongation at Yield	4.1	%	ISO 527
Tensile Elongation at Break	15	%	ISO 527
Impact Strength (Charpy, 23°C)	190	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	20	kJ/m ²	ISO 179/1eA
Ball Indentation Hardness H358/30	65	MPa	ISO 2039-1
Thermal Properties			
Vicat B50	96	°C	ISO 306
HDT / A (1,8 MPa)	92	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	5	cm ³ /10min	ISO 1133
MVR temperature	210	°C	-
MVR load	2.16	kg	-
Shrinkage (24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1200	kg/m ³	ISO 1183

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.

Any information given on the chemical and physical characteristics of our products, including, without limitation, technical advice on applications, whether verbally, in writing or by testing the product, is given to the best of our knowledge and in good faith and does not



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