

**CELLIDOR CP 410-12**

(Last update: 07.10.2024)

**MOCOM**

Base Polymer	CelluloseAcetatePropionate
Filler/Additive System	phthalate-free plasticiser
Special Features	high surface quality,high surface gloss,good haptics,injection moulding grade
Application Area	various

Pre-Drying Conditions	in a dry air (dessiccant) dryer 50-80 °C for 1-2 h in an air circulating dryer 50-80 °C for 2-4 h dependant on moisture content max. moisture content <0,15 %
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Processing Injection Moulding	melt temperature 180-230 °C mould temperature 40-80 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
<b>Mechanical Properties</b>			
Flexural Modulus	1700	MPa	ISO 178
Flexural Stress (3.5% Strain)	45	MPa	ISO 178
Tensile Modulus	1700	MPa	ISO 527
Tensile Stress at Yield	38	MPa	ISO 527
Tensile Elongation at Yield	4.1	%	ISO 527
Tensile Elongation at Break	18	%	ISO 527
Impact Strength (Charpy, 23°C)	210	kJ/m <sup>2</sup>	ISO 179/1eU
Impact Strength (Charpy, -40°C)	25	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	23	kJ/m <sup>2</sup>	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	6.5	kJ/m <sup>2</sup>	ISO 179/1eA
Ball Indentation Hardness H132/30	75	MPa	ISO 2039-1
<b>Thermal Properties</b>			
Vicat B50	90	°C	ISO 306
HDT / A (1,8 MPa)	90	°C	ISO 75-1/-2
<b>Rheological Properties</b>			
Melt Index (MVR)	6	cm <sup>3</sup> /10min	ISO 1133
MVR temperature	210	°C	-
MVR load	2.16	kg	-
Shrinkage (24h)	0.7 - 1	%	ISO 294-4

## Technical Data Sheet



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#### Physical Properties

Density	1200	kg/m <sup>3</sup>	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.

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 exempt the buyer from carrying out their own investigations and tests in order to ascertain the product's specific suitability for the purpose intended.

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