

CELLIDOR CP 2825-11

(Last update: 30.11.2023)

MOCOM

Base Polymer	CelluloseAcetatePropionate
Filler/Additive System	phthalate-free plasticiser,light stabiliser
Special Features	easy flow,high toughness,high stiffness,UV stabilised
Market Segment	various,sport and leisure
Application Area	various,sports equipment
Typical Applications	various,spectacle lenses

Pre-Drying Conditions	in a dry air (dessiccant) dryer 50-70 °C for 1-2 h in an air circulating dryer 50-70 °C for 2-4 h dependant on moisture content
Processing Injection Moulding	melt temperature 190-235 °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	1800	MPa	ISO 527
Tensile Stress at Yield	40	MPa	ISO 527
Tensile Elongation at Yield	4	%	ISO 527
Tensile Elongation at Break	14	%	ISO 527
Impact Strength (Charpy, 23°C)	225	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	170	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	20	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	6.5	kJ/m ²	ISO 179/1eA
Ball Indentation Hardness H132/30	67	MPa	ISO 2039-1
Thermal Properties			
Vicat B50	95	°C	ISO 306
HDT / A (1,8 MPa)	100	°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)	0.4 - 0.7	%	ISO 294-4



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Physical Properties

Density	1200	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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