

Technical Data Sheet



CELLIDOR B 500-15

(Last update: 14.05.2024)



Base Polymer	CelluloseAcetateButyrate
Filler/Additive System	15 % phthalate-free plasticiser
Special Features	low odour
Typical Applications	various

Pre-Drying Conditions	in an air circulating dryer 50-80 °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	1100	MPa	ISO 178
Flexural Stress (3.5% Strain)	30	MPa	ISO 178
Tensile Modulus	1200	MPa	ISO 527
Tensile Stress at Yield	27	MPa	ISO 527
Tensile Elongation at Yield	3.6	%	ISO 527
Tensile Elongation at Break	35	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	25	kJ/m ²	ISO 179/1eA
Ball Indentation Hardness H132/30	45	MPa	ISO 2039-1
Thermal Properties			
Vicat B50	74	°C	ISO 306
HDT / A (1,8 MPa)	69	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	17	cm ³ /10min	ISO 1133
MVR temperature	210	°C	-
MVR load	2.16	kg	-
Shrinkage (24h)	0.4 - 0.7	%	ISO 294-4
Physical Properties			
Density	1170	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



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