

Technical Data Sheet



CELLIDOR CP 3011-11

Base Polymer	CelluloseAcetatePropionate
Filler/Additive System	phthalate-free plasticiser
Special Features	easy flow,high toughness,high stiffness,UV stabilised
Market Segment	sport and leisure,various
Application Area	injection moulded parts,various
Typical Applications	various

Pre-Drying Conditions in an air circulating dryer 50-80 °C
for 2-4 h

Processing Injection Moulding melt temperature 180-230 °C
mould temperature 40-80 °C

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	1800	MPa	ISO 178
Flexural Stress (3.5% Strain)	46	MPa	ISO 178
Tensile Modulus	1800	MPa	ISO 527
Tensile Stress at Yield	40	MPa	ISO 527
Tensile Elongation at Yield	4.2	%	ISO 527
Tensile Elongation at Break	15	%	ISO 527
Impact Strength (Charpy, 23°C)	150	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	130	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	24	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	8	kJ/m ²	ISO 179/1eA
Ball Indentation Hardness H132/30	55	MPa	ISO 2039-1
Thermal Properties			
Vicat B50	97	°C	ISO 306
HDT / A (1,8 MPa)	85	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	6	cm ³ /10min	ISO 1133
MVR temperature	210	°C	-
MVR load	2.16	kg	-
Shrinkage (24h)	0.8 - 1.1	%	ISO 294-4
Physical Properties			
Density	1200	kg/m ³	ISO 1183