

Technical Data Sheet



CELLIDOR CP 2810-11

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

Processing Injection Moulding	melt temperature 190-235 °C mould temperature 40-80 °C
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	1700	MPa	ISO 178
Flexural Stress (3.5% Strain)	47	MPa	ISO 178
Tensile Modulus	1700	MPa	ISO 527
Tensile Stress at Yield	40	MPa	ISO 527
Tensile Elongation at Yield	3.8	%	ISO 527
Tensile Elongation at Break	20	%	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	80	MPa	ISO 2039-1
Thermal Properties			
Vicat B50	96	°C	ISO 306
HDT / A (1,8 MPa)	90	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	7	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