

Technical Data Sheet



ALCOM PC 740/2566 PTFE20

Base Polymer	Polycarbonate
Filler/Additive System	20 % PTFE
Special Features	improved sliding / wear
Market Segment	Automotive, Machinery
Application Area	various
Typical Applications	functional components

Pre-Drying Conditions	120 °C in a dry air (dessiccant) dryer for 2-3 h in an air circulating dryer 100-120 °C for 4-12 h dependant on moisture content
Processing Injection Moulding	melt temperature 270-310 °C mould temperature 80-110 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Tensile Modulus	2100	MPa	ISO 527
Tensile Stress at Yield	50	MPa	ISO 527
Tensile Elongation at Yield	5.3	%	ISO 527
Tensile Elongation at Break	70	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	no break	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	27	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	16	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	145	°C	ISO 306
HDT / A (1,8 MPa)	133	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	8	cm ³ /10min	ISO 1133
MVR temperature	300	°C	-
MVR load	1.2	kg	-
Shrinkage (24h)	0.5 - 0.8	%	ISO 294-4
Physical Properties			
Density	1310	kg/m ³	ISO 1183