

Technical Data Sheet



ALCOM PC FC 740/9 PTFE10

Base Polymer	Polycarbonate, High Heat Polycarbonate
Filler/Additive System	10 % PTFE
Special Features	improved sliding / wear
Market Segment	various
Application Area	injection moulded parts
Typical Applications	functional components

Pre-Drying Conditions	in a dry air (dessiccant) dryer 100-120 °C 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
Minimum Shelf Life	months <12

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Tensile Modulus	2200	MPa	ISO 527
Tensile Stress at Yield	56	MPa	ISO 527
Tensile Elongation at Yield	5.4	%	ISO 527
Tensile Elongation at Break	25	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	250	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	11	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	8.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	142	°C	ISO 306
Rheological Properties			
Shrinkage (24h)	0.6 - 0.8	%	ISO 294-4
Physical Properties			
Density	1250	kg/m ³	ISO 1183