

Technical Data Sheet



ALCOM POM 770/1 PTFE10

Base Polymer	Polyoxymethylene/general
Filler/Additive System	10 % PTFE
Special Features	heat stabilised,easy release (demoulding),improved sliding / wear
Market Segment	various
Application Area	various

Pre-Drying Conditions	in a dry air (dessiccant) dryer 100-110 °C for 2-3 h in an air circulating dryer 100-110 °C for 3-5 h dependant on moisture content
Processing Injection Moulding	melt temperature 180-220 °C mould temperature 60-120 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2400	MPa	ISO 178
Flexural Stress (3.5% Strain)	60	MPa	ISO 178
Tensile Modulus	2500	MPa	ISO 527
Tensile Strength	54	MPa	ISO 527
Tensile Elongation at Break	15	%	ISO 527
Impact Strength (Charpy, 23°C)	65	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	4	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	145	°C	ISO 306
HDT / A (1,8 MPa)	90	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	6.5	cm ³ /10min	ISO 1133
MVR temperature	190	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	1.8 - 2.2	%	ISO 294-4
Shrinkage (lateral, 24h)	1.6 - 2	%	ISO 294-4
Physical Properties			
Density	1440	kg/m ³	ISO 1183