

Technical Data Sheet



ALCOM PC 740/1.2 GF30 PTFE13 SI2

Base Polymer	Polycarbonate
Filler/Additive System	30 % glass fibres, 15 % PTFE/Silicone
Special Features	improved sliding / wear
Market Segment	Automotive, Machinery
Application Area	various
Typical Applications	housings, functional components, bearings and sliding elements

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 max. moisture content <0,02 %
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Processing Injection Moulding	melt temperature 310-330 °C mould temperature 80-130 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	6500	MPa	ISO 178
Flexural Strength	130	MPa	ISO 178
Tensile Modulus	8300	MPa	ISO 527
Tensile Strength at Break	95	MPa	ISO 527
Tensile Elongation at Break	2.3	%	ISO 527
Impact Strength (Charpy, 23 °C)	40	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40 °C)	40	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23 °C)	12	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40 °C)	10	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	148	°C	ISO 306
HDT / A (1,8 MPa)	143	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	1.5	cm ³ /10min	ISO 1133
MVR temperature	300	°C	-
MVR load	1.2	kg	-
Shrinkage (lengthwise, 24h)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.1 - 0.3	%	ISO 294-4
Physical Properties			
Density	1500	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	V-2	class	UL 94
Yellow Card available	yes	-	-
Glow Wire (GWFI, 850 °C, 2.0mm)	passed	-	DIN EN 60695