



ALCOM PC 740/1 PTFE15

(Last update: 09.09.2024)



Base Polymer	Polycarbonate
Filler/Additive System	15 % PTFE
Special Features	improved sliding / wear
Market Segment	Automotive, Machinery
Application Area	injection moulded parts
Typical Applications	functional components

Pre-Drying Conditions	120 °C in a dry air (dessiccant) dryer for 2-3 h dependant on moisture content max. moisture content <0,02 %
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			
Flexural Modulus	2200	MPa	ISO 178
Flexural Stress (3.5% Strain)	65	MPa	ISO 178
Tensile Modulus	2100	MPa	ISO 527
Tensile Stress at Yield	51	MPa	ISO 527
Tensile Elongation at Yield	5.5	%	ISO 527
Tensile Elongation at Break	40	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	200	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	18	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	11	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	148	°C	ISO 306
HDT / A (1,8 MPa)	135	°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 (lengthwise, 24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1270	kg/m ³	ISO 1183



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Liability Exclusion

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