

Technical Data Sheet



ALCOM WP PC+ABS 5008 TFUV 17009

Base Polymer	Polycarbonate +Acrylonitrile Butadiene Styrene Blend
Filler/Additive System	8 % PTFE,UV stabilised
Special Features	improved sliding / wear
Market Segment	Automotive,Machinery
Application Area	injection moulded parts
Typical Applications	housings,functional components,bearings and sliding elements

Pre-Drying Conditions	in a dry air (dessiccant) dryer 100-110 °C for 2-4 h in an air circulating dryer 100-110 °C for 4-8 h dependant on moisture content
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Processing Injection Moulding	melt temperature 240-280 °C mould temperature 70-100 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2300	MPa	ISO 178
Flexural Stress (3.5% Strain)	68	MPa	ISO 178
Tensile Modulus	2200	MPa	ISO 527
Tensile Stress at Yield	52	MPa	ISO 527
Tensile Elongation at Yield	5	%	ISO 527
Tensile Elongation at Break	50	%	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)	47	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	27	kJ/m ²	ISO 179/1eA
Ball Indentation Hardness H358/30	103	MPa	ISO 2039-1
Thermal Properties			
Vicat B50	140	°C	ISO 306
HDT / A (1,8 MPa)	120	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	12	cm ³ /10min	ISO 1133
MVR temperature	260	°C	-
MVR load	5	kg	-
Shrinkage (24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1220	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	HB	class	UL 94