

## Technical Data Sheet



### ALCOM WP PA66 2555 SITF 18090

Base Polymer	Polyamide 66
Filler/Additive System	special filler
Special Features	heat stabilised,easy release (demoulding),low warpage,injection moulding grade,improved sliding / wear
Market Segment	Machinery,Automotive
Application Area	injection moulded parts
Typical Applications	functional components,bearings and sliding elements

Pre-Drying Conditions in a dry air (dessiccant) dryer 0-1 °C for 2-12 h dependant on moisture content

Processing Injection Moulding melt temperature 280-300 °C mould temperature 80-100 °C

Storage dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
<b>Mechanical Properties</b>			
Flexural Modulus	10000 / 6900	MPa	ISO 178
Flexural Strength	240 / 170	MPa	ISO 178
Tensile Modulus	13000 / 8900	MPa	ISO 527
Tensile Strength at Break	175 / 130	MPa	ISO 527
Tensile Elongation at Break	2.5 / 4.4	%	ISO 527
Impact Strength (Charpy, 23°C)	53 / 60	kJ/m <sup>2</sup>	ISO 179/1eU
Impact Strength (Charpy, -40°C)	45 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	11 / 13	kJ/m <sup>2</sup>	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	8.5 / -	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal Properties</b>			
HDT / A (1,8 MPa)	252 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
<b>Rheological Properties</b>			
Shrinkage (lengthwise, 24h)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.5 - 0.7	%	ISO 294-4
<b>Physical Properties</b>			
Density	1580 / -	kg/m <sup>3</sup>	ISO 1183