



Preliminary Data sheet

Tailor made Engineering Plastic

Product: Kaycom PA6 101-GF 30%

Injection moulding type reinforced 30% glass fiber

TYPICAL PROPERTIES ①	Standard	Unit	TYPICAL VALUE
PHYSICAL			
Density	ISO 1183	g/cm ³	1.36
Moisture absorption (23°C / 50% RH)	ISO 62	%	2.1
Melt Volume Rate, MVR at 275°C/5kg	ISO 1133	cm ³ /10 min	60
Filler content		%	30
MECHANICAL			
Tensile Modulus	ISO 527	Mpa	9500
Tensile Stress at break	ISO 527	Mpa	180
Tensil Strain, yield	ISO 527	%	3
Flexural Modulus	ISO 178	MPA	
IMPACT			
Izod Impact,notched (23°C)	ISO 180	KJ/m ²	
Charpy impact unnotched (23°C)	ISO 179	KJ/m ²	90
Charpy notched impact strength (23°C)	ISO 179	KJ/m ²	14
THERMAL			
Vicat softening temperature	ISO 306	°C	
Heat deflection temperature HDT A	ISO 75	°C	210
Flammability UL 94	UL 94	mm	HB
ELECTRICAL			
Volume Resistivity	IEC 60093	Ohm-cm	
Dielectric Strenght in oil 0,8 mm	IEC 60243	KV/mm	
PROCESSING PARAMETERS / Injection moulding			
Drying Temperatur		°C	80
Drying Time		Hrs	4 - 10
Melt Temperature		°C	260 - 290
Mold Temperature		°C	80 -120

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① Typical values only. Variations within normal tolerances are possible for various colours. They are based on our general experience and given in good faith, but we are unable to accept responsibility in respect of factors which are outside our knowledge or control

Kays Kft. Quality system is validated / certificated to ISO 9001 - 2008 by TÜVReinland InterCert Kft.

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