



# Preliminary Data sheet

Tailor made Engineering Plastic

**Product: Kaycom PA 6.6 112-H/GF30 Black 94220**

TYPICAL PROPERTIES ①	Standard	Unit	TYPICAL VALUE
<b>PHYSICAL</b>			
Density	ISO 1183	g/cm <sup>3</sup>	1.36
Water Absorption, (23°C /sat)	ISO 62	%	
Moisture absorption (23°C / 50% RH)	ISO 62	%	
Melt Flow Rate, 275°C/5 kg	ISO 1133	g/10 min	
Melt Volume Rate, MVR at 275°C/5kg	ISO 1133	cm <sup>3</sup> /10 min	
Filler content		%	30
<b>MECHANICAL</b>			
Tensile Modulus, 1 mm/min	ISO 527	Mpa	9000
Tensile Stress at break, 5 mm/min	ISO 527	Mpa	170
Tensile Strain, yield, 5 mm/min	ISO 527	%	3
Flexural Modulus, 2 mm/min	ISO 178	MPA	
<b>IMPACT</b>			
Charpy unnotch (23°C)	ISO 179	KJ/m <sup>2</sup>	50
Charpy notched impact (23°C)	ISO 179	KJ/m <sup>2</sup>	6.5
<b>THERMAL</b>			
Vicat softening temperature	ISO 306	°C	
Heat deflection temperature HDT A	ISO 75	°C	
Flammability UL 94	UL 94	mm	HB
<b>ELECTRICAL</b>			
Volume Resistivity	IEC 60093	Ohm-cm	
Dielectric Strength in oil 0,8 mm	IEC 60243	KV/mm	
<b>PROCESSING PARAMETERS / Injection moulding</b>			
Drying Temperature		°C	60 - 90
Drying Time		Hrs	4 - 10
Melt Temperature		°C	280- 300
Mould Temperature		°C	80 - 120

Version: Dec 2013

① Typical values only. Variations within normal tolerances are possible for various colours. All values are measured after at least 48 hours storage at standard room temperature. All properties are to our best knowhow.