



# Preliminary Data sheet

Tailor made Engineering Plastic

**Product: Kaycom ABS 011-GF 20 Natural 00110**

This type is a 20 % glass fibre reinforced ABS injection moulding grade

TYPICAL PROPERTIES ①	Standard	Unit	TYPICAL VALUE
<b>PHYSICAL</b>			
Density	ISO 1183	g/cm <sup>3</sup>	
Water Absorption, (23°C /sat)	ISO 62	%	0.3
Moisture absorption (23°C / 50% RH)	ISO 62	%	
Melt Flow Rate, 220°C/5.0 kg	ISO 1133	g/10 min	
Melt Flow Rate, 220°C/10.0 kg	ISO 1133	g/10 min	
Melt Volume Rate, MVR at 220°C/10kg	ISO 1133	cm <sup>3</sup> /10 min	9
Filler content		%	20
<b>MECHANICAL</b>			
Tensile Modulus, 1 mm/min	ISO 527	Mpa	5700
Tensile Stress at break, 5 mm/min	ISO 527	Mpa	
Tensile Strain, yield, 5 mm/mim	ISO 527	%	
Flexural Modulus, 2 mm/min	ISO 178	MPA	
<b>IMPACT</b>			
Charpy unnotch (23°C)	ISO 179	KJ/m <sup>2</sup>	> 12
Charpy notched impact (23°C)	ISO 179	KJ/m <sup>2</sup>	
<b>THERMAL</b>			
Vicat softening temperature	ISO 306	°C	105
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	85 - 95
Drying Time		Hrs	2 - 4
Melt Temperature		°C	220 - 260
Mould Temperature		°C	40 - 80

Version: 24 March 2014

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.

© 2014 Kays Kft. Győr Hungary