



Preliminary Data sheet

Tailor made Engineering Plastic

Product: Kayscom PBT 131-GF10 Black 94110

Injection moulding type reinforced 10% glass fiber

TYPICAL PROPERTIES ①	Standard	Unit	TYPICAL VALUE
PHYSICAL			
Density	ISO 1183	g/cm ³	
Moisture absorption (23°C / 50% RH)	ISO 62	%	
Melt Volume Rate, MVR at 260°C/2.16kg	ISO 1133	cm ³ /10 min	20
Filler content		%	10
MECHANICAL			
Tensile Modulus, 1 mm/min	ISO 527	Mpa	4600
Tensile Stress at break, 50 mm/min	ISO 527	Mpa	105
Tensile Strain, yield, 50 mm/min	ISO 527	%	3.5
Flexural Modulus, 2 mm/min	ISO 178	MPA	
IMPACT			
Izod Impact, notched (23°C)	ISO 180	KJ/m ²	
Charpy impact unnotched (23°C)	ISO 179	KJ/m ²	30
Charpy notched impact strength (23°C)	ISO 179	KJ/m ²	4.5
THERMAL			
Vicat softening temperature	ISO 306	°C	205
Heat deflection temperature HDT A	ISO 75	°C	
Flammability UL 94	UL 94	mm	HB
ELECTRICAL			
Volume Resistivity	IEC 60093	Ohm-cm	
Dielectric Strength in oil 0,8 mm	IEC 60243	KV/mm	
PROCESSING PARAMETERS / Injection moulding			
Drying Temperature		°C	110
Drying Time		Hrs	4 - 10
Melt Temperature		°C	250 to 270
Mold Temperature		°C	

Version: Jan 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 TÜV Rheinland InterCert Kft.

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