



Preliminary Data sheet

Tailor made Engineering Plastic

Product: Kaycom ABS 010/15 all colours

This type is ABS injection moulding grade

TYPICAL PROPERTIES ①	Standard	Unit	TYPICAL VALUE
PHYSICAL			
Density	ISO 1183	g/cm ³	1.04
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 ³ /10 min	15
Filler content		%	0
MECHANICAL			
Tensile Modulus, 1 mm/min	ISO 527	Mpa	2100
Tensile Stress at break, 5 mm/min	ISO 527	Mpa	40
Tensile Strain, yield, 5 mm/mim	ISO 527	%	2
Flexural Modulus, 2 mm/min	ISO 178	MPA	
IMPACT			
Charpy unnotch (23°C)	ISO 179	KJ/m ²	NB !
Charpy notched impact (23°C)	ISO 179	KJ/m ²	> 15
THERMAL			
Vicat softening temperature	ISO 306	°C	98
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	85 - 95
Drying Time		Hrs	2 - 4
Melt Temperature		°C	220 - 260
Mould Temperature		°C	40 - 80

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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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