



## Preliminary Data sheet

Tailor made Engineering Plastic

**Product: Kayflam PC 160/20-FR black 94200**

Injection moulding type unreinforced low viscosity with flame protected (V-0)

TYPICAL PROPERTIES ①	Standard	Unit	TYPICAL VALUE	
			Dry	conditioned
<b>PHYSICAL:</b>				
Density	ISO 1183	g/cm <sup>3</sup>	1,20	--
Moisture absorption (23°C /50% RH)	ISO 62	%	0,13	--
Melt Volume Rate, MVR at 300 °C /1,2kg	ISO 1133	cm <sup>3</sup> /10 min	20	--
Filler content		%	--	--
<b>MECHANICAL:</b>				
Tensile Modulus	23°C ISO 527-2	Mpa	2300	
Tensile Stress at break	23°C ISO 527-2	Mpa	57	
Tensile Strain, yield	23°C ISO 527-2	%	5	
Flexural Modulus	23°C ISO 178/A	Mpa	--	
<b>IMPACT:</b>				
Izod Impact, notched	23°C ISO 180	KJ/m <sup>2</sup>		
Charpy impact unnotched	23°C ISO 179	KJ/m <sup>2</sup>		n.b
Charpy notched impact strength	23°C ISO 179	KJ/m <sup>2</sup>		12
<b>THERMAL:</b>				
Vicat softening temperature	ISO 306	°C	140	
Heat deflection temperature HDT A	ISO 75	°C	125	
Flammability UL 94	1,6 UL 94	mm		V-0
<b>ELECTRICAL:</b>				
Volume Resistivity	IEC 60093	Ohm-cm		
Dielectric Strength in oil 0,8 mm	IEC 60243	KV/mm		
Glow-wire flammability test GWFI (2,0mm)	DIN EN 60695-2- 12	°C	960	
<b>PROCESSING PARAMETERS/Injection moulding</b>				
Drying Temperature		°C	120	
Drying Time		Hrs	2-5	
Melt Temperature		°C	280-320	
Mould 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

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