

## Technical Data Sheet

**Product: Kayflam PA66 113 FRP/GF25 Black 94332**

Injection moulding type reinforced with flame retardant

TYPICAL PROPERTIES ①	Standard	Unit	TYPICAL VALUE	
			Dry	Conditioned
<b>PHYSICAL:</b>				
Density	ISO 1183	g/cm <sup>3</sup>	1,33	
Moisture absorption (23°C / 50% RH)	ISO 62	%	1,4	
Water absorption (in water at 23°C)			6,0	
Melt Volume Rate, MVR at 275 °C / 5 kg	ISO 1133	cm <sup>3</sup> /10 min	55	
Filler content		%	25	
<b>MECHANICAL:</b>				
Tensile Modulus	ISO 527-2	MPa	-	-
Tensile Stress at break	ISO 527-2	MPa	130	-
Tensile Strain at break	ISO 527-2	%	2,8	-
Flexural Modulus	ISO 178	MPa	6800	-
Flexural Strength	ISO 178	MPa	-	-
<b>IMPACT:</b>				
Charpy unnotched impact strength	23°C ISO 179	kJ/m <sup>2</sup>	-	-
Charpy notched impact strength	23°C ISO 179	kJ/m <sup>2</sup>	8	-
<b>THERMAL:</b>				
Vicat softening temperature	ISO 306	°C	-	
Heat deflection temperature (A)	ISO 75	°C	240	
Flammability UL 94	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	-	-
<b>PROCESSING PARAMETERS</b>				
Drying Temperature		°C	80	
Drying Time		Hrs	4-10	
Melt Temperature		°C	280-300	
Mould Temperature		°C	80-90	

Version: November 2017

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 9001-2015 by TÜV Rheinland InterCert Kft.*