

Technical Data sheet

Product: Kaycom PC/ABS 192/8812-GF20 OP Black 94215

Product description: Injection moulding type 20% glass-fiber reinforced, oil-free grade, easy processing, 79% recycled material content.

TYPICAL PROPERTIES ①	Standard	Unit	TYPICAL VALUE	
			Dry	
PHYSICAL:				
Density	ISO 1183	g/cm ³	1,28	
Moisture absorption (23°C /50% RH)	ISO 62	%	0,22	
Melt Volume Rate, MVR 260 °C /5 kg	ISO 1133	cm ³ /10 min	11	
Ash content	INTERNAL	%	20	
MECHANICAL:				
Tensile Modulus (2 mm/min)	23°C ISO 527-2	MPa	6500	
Tensile Strength (5 mm/min)	23°C ISO 527-2	MPa	75	
Tensile Strain at Break (5 mm/min)	23°C ISO 527-2	%	2,5	
Flexural Modulus (2 mm/min)	23°C ISO 178/A	MPa	6700	
IMPACT:				
Charpy unnotched impact strength ²	23°C ISO 179/1eU	kJ/m ²	30	
Charpy notched impact strength ²	23°C ISO 179/1eA	kJ/m ²	9	
THERMAL:				
Vicat softening temperature (B120)	ISO 306	°C	125	
Heat deflection temperature (1,8 MPa)	ISO 75	°C	115	
Glow Wire Flammability Index (3 mm)	IEC 60695-2-12	°C	-	
Flammability UL 94 (1,5 mm)	UL 94	class	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	100	
Drying Time		Hrs	4-6	
Melt Temperature		°C	260-280	
Mould Temperature		°C	70-90	
Molding Shrinkage, Flow	ISO 294-4	%	0,30-0,40	
Molding Shrinkage, Across flow	ISO 294-4	%	0,50-0,60	

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

² Please be informed that our Charpy values are measured with 4J hammer.

Kays Kft. Quality system is validated / certificated to ISO 9001:2015 by TÜV Rheinland InterCert Kft.

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