

Technical Data sheet

Product: Kaycom PC/ABS 190/8020 Black 94200

Product description: Recycled grade. It exhibits good impact & tensile strength. It is recommended for industrial, electronic and automotive applications. It has improved flowability to make processing easier.

TYPICAL PROPERTIES ①	Standard	Unit	TYPICAL VALUE	
			Dry	
PHYSICAL:				
Density	ISO 1183	g/cm ³	1,14	
Moisture absorption (23°C /50% RH)	ISO 62	%	0,25	
Melt Volume Rate, MVR (260 °C /5 kg)	ISO 1133	cm ³ /10 min	20	
Ash content	INTERNAL	%	0	
MECHANICAL:				
Tensile Modulus (1 mm/min)	23°C ISO 527-2	MPa	2350	
Tensile Strength (50 mm/min)	23°C ISO 527-2	MPa	54	
Tensile Strain at Break (50 mm/min)	23°C ISO 527-2	%	50	
Flexural Modulus (2 mm/min)	23°C ISO 178/A	MPa	2300	
IMPACT:				
Charpy unnotched impact strength ²	23°C ISO 179/1eU	kJ/m ²	NB	
Charpy notched impact strength ²	23°C ISO 179/1eA	kJ/m ²	50	
THERMAL:				
Vicat softening temperature (B50)	ISO 306	°C	130	
Heat deflection temperature (1,8 MPa)	ISO 75	°C	110	
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	90-100	
Drying Time		Hrs	3-4	
Melt Temperature		°C	250-270	
Mould Temperature		°C	60-80	
GRANULAR MATERIAL CLASS:				
According to VW 50026	VW 50026:2020-10		GK1 (5%) GK3 (95%)	

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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