

Technical Data sheet

Product: Kaycom PC 160/25 Light Grey 71300

Injection moulding type, low viscosity for easy processing

TYPICAL PROPERTIES ①	Standard	Unit	TYPICAL VALUE	
			Dry	
PHYSICAL:				
Density	ISO 1183	g/cm ³	1,20	
Moisture absorption (23°C /50% RH)	ISO 62	%	-	
Melt Volume Rate (MVR) 300°C / 1,2 kg	ISO 1133	cm ³ /10 min	25	
Filler content	INTERNAL	%	0	
MECHANICAL:				
Tensile Modulus (1 mm/min)	23°C ISO 527-2	MPa	2300	
Tensile Strength (50 mm/min)	23°C ISO 527-2	MPa	65	
Tensile Strain at Break (50 mm/min)	23°C ISO 527-2	%	20	
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	No break	
Charpy notched impact strength ²	23°C ISO 179/1eA	kJ/m ²	>10	
THERMAL:				
Vicat softening temperature	ISO 306	°C	142	
Heat deflection temperature (1,8 MPa)	ISO 75	°C	124	
Flammability UL 94 (1,5 mm)	UL 94	mm	V-2	
Glow Wire Flammability Index(1,5 mm)	IEC 60695-2-12	°C	850	
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	110-120	
Drying Time		Hrs	2-4	
Melt Temperature		°C	270-310	
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

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.