

Pocan[®] KU1–7625

(PBT+PC)–GF20

20% Glass Reinforced, Injection Molding, Excellent Surface Properties, Low Warpage

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	VALUE		
Melt volume–flow rate	30	cm ³ /10min	ISO 1133
Temperature	260	°C	ISO 1133
Load	5	kg	ISO 1133
MECHANICAL PROPERTIES			
	VALUE		
Tensile modulus	5500	MPa	ISO 527–1/–2
Stress at break	85	MPa	ISO 527–1/–2
Strain at break	3.4	%	ISO 527–1/–2
Flexural strain at flexural strength	3.5	%	ISO 178–A
Charpy impact strength (+23°C)	40	kJ/m ²	ISO 179/1eU
Charpy impact strength (–30°C)	40	kJ/m ²	ISO 179/1eU
Izod impact strength (–30°C)	40	kJ/m ²	ISO 180–1U
THERMAL PROPERTIES			
	VALUE		
Melting temperature (10°C/min)	225	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	115	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	150	°C	ISO 75–1/–2
Coeff. of linear therm. expansion (parallel)	0.4	E–4/°C	ISO 11359–1/–2
Coeff. of linear therm. expansion (normal)	0.7	E–4/°C	ISO 11359–1/–2
Burning Behav. at 0.75 mm nom. thickn.	HB	class	IEC 60695–11–10
Thickness tested	0.75	mm	IEC 60695–11–10
Burning Behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695–11–10
Thickness tested	1.5	mm	IEC 60695–11–10

Property Data

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
OTHER PROPERTIES	VALUE		
Water absorption	0.3	%	Sim. to ISO 62
Humidity absorption	0.1	%	Sim. to ISO 62
Density	1390	kg/m³	ISO 1183
PROCESSING RECOMMENDATIONS	VALUE		
Melt temperature (Tmin – Tmax)	250–270	°C	
Mold temperature	80–100	°C	