

Pocan[®] KU1-7625

(PBT+PC)-GF20

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

Print Date: 2024-09-17

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

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
OTHER PROPERTIES			
	VALUE		
Water absorption	0.3	%	Sim. to ISO 62
Humidity absorption	0.1	%	Sim. to ISO 62
Density	1390	kg/m ³	ISO 1183
PROCESSING RECOMMENDATIONS			
	VALUE		
Melt temperature (Tmin – Tmax)	250–270	°C	
Mold temperature	80–100	°C	

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