

Pocan[®] KU1-7625LT

(PBT+PC)-GF20

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

Print Date: 2024-09-17

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	VALUE		
Melt volume-flow rate	40	cm ³ /10min	ISO 1133
Temperature	260	°C	ISO 1133
Load	5	kg	ISO 1133
MECHANICAL PROPERTIES			
	VALUE		
Tensile modulus	5100	MPa	ISO 527-1/-2
Stress at break	75	MPa	ISO 527-1/-2
Strain at break	4	%	ISO 527-1/-2
Flexural strain at flexural strength	4.5	%	ISO 178-A
Charpy impact strength (+23°C)	35	kJ/m ²	ISO 179/1eU
THERMAL PROPERTIES			
	VALUE		
Melting temperature (10°C/min)	225	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	110	°C	ISO 75-1/-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
OTHER PROPERTIES			
	VALUE		
Water absorption	0.3	%	Sim. to ISO 62
Humidity absorption	0.1	%	Sim. to ISO 62
Density	1400	kg/m ³	ISO 1183

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Property Data

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<i>PROCESSING RECOMMENDATIONS</i>	<i>VALUE</i>		
Melt temperature (Tmin – Tmax)	250–270	°C	
Mold temperature	70–100	°C	

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