Property Data

Envalior
Imagine the Future

Pocan® C3220LT

Pocan® KU1-7625LT

(PBT+PC)-GF20

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

Print Date: 2026-04-09

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	**VALUE**		
Melt volume-flow rate (MVR)	40	cm³/10min	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/m²	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/m³	ISO 1183

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

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