Property Data

Envalior
Imagine the Future

Pocan® C3220

Pocan® KU1–7625

(PBT+PC)–GF20

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

Print Date: 2026–04–09

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	**VALUE**		
Melt volume–flow rate (MVR)	30	cm³/10min	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/m²	ISO 179/1eU
Charpy impact strength (–30°C)	40	kJ/m²	ISO 179/1eU
Izod impact strength (–30°C)	40	kJ/m²	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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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	

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