Property Data

Envalior
Imagine the Future

Pocan® T3230 H60R3

Pocan® ECOT3230

(PBT+PET)–GF30

30% Glass Fiber Reinforced, Injection Molding, Excellent Surface Properties, Recycled Content

Print Date: 2026–04–09

Sustainability

Mass balanced
Recycled based

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
Molding shrinkage (normal)	0.9	%	ISO 294–4
Molding shrinkage (parallel)	0.3	%	ISO 294–4
MECHANICAL PROPERTIES	**VALUE**		
Tensile modulus	10400	MPa	ISO 527–1/–2
Stress at break	145	MPa	ISO 527–1/–2
Strain at break	2.8	%	ISO 527–1/–2
Flexural modulus	10300	MPa	ISO 178
Flexural strength	230	MPa	ISO 178
Flexural strain at flexural strength	3	%	ISO 178–A
Charpy impact strength (+23°C)	65	kJ/m²	ISO 179/1eU
Charpy impact strength (–30°C)	55	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	6.7	kJ/m²	ISO 179/1eA
Charpy notched impact strength (–30°C)	6.7	kJ/m²	ISO 179/1eA
Izod impact strength (+23°C)	55	kJ/m²	ISO 180/1U
Izod impact strength (–30°C)	55	kJ/m²	ISO 180–1U

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
THERMAL PROPERTIES	**VALUE**		
Temp. of deflection under load (1.80 MPa)	200	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	220	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.3	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.9	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
Burning Behav. at 3.0 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	3	mm	IEC 60695-11-10
ELECTRICAL PROPERTIES	**VALUE**		
Comparative tracking index	250	V	IEC 60112
OTHER PROPERTIES	**VALUE**		
Water absorption	0.3	%	Sim. to ISO 62
Humidity absorption	0.1	%	Sim. to ISO 62
Density	1550	kg/m³	ISO 1183
PROCESSING RECOMMENDATIONS	**VALUE**		
Drying temperature circulating air dryer	120	°C	
Drying time circulating air dryer	4-8	h	
Residual moisture content	0.00-0.02	%	acc. to Karl Fischer
Melt temperature (Tmin - Tmax)	260-280	°C	
Mold temperature	80-100	°C	

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