Property Data

Envalior
Imagine the Future

Pocan® T3215 H45R3

Pocan® ECOT3215

(PBT+PET)–GF15

15% 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)	16	cm³/10min	ISO 1133
Temperature	260	°C	ISO 1133
Load	2.16	kg	ISO 1133
Molding shrinkage (normal)	1	%	ISO 294–4
Molding shrinkage (parallel)	0.5	%	ISO 294–4
MECHANICAL PROPERTIES	**VALUE**		
Tensile modulus	6000	MPa	ISO 527–1/–2
Stress at break	110	MPa	ISO 527–1/–2
Strain at break	3	%	ISO 527–1/–2
Flexural modulus	5800	MPa	ISO 178
Flexural strength	170	MPa	ISO 178
Flexural strain at flexural strength	3.8	%	ISO 178–A
Charpy impact strength (+23°C)	30	kJ/m²	ISO 179/1eU
Charpy impact strength (–30°C)	30	kJ/m²	ISO 179/1eU
Izod impact strength (+23°C)	25	kJ/m²	ISO 180/1U
THERMAL PROPERTIES	**VALUE**		
Temp. of deflection under load (1.80 MPa)	190	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	220	°C	ISO 75–1/–2

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
Coeff. of linear therm. expansion (parallel)	0.5	E–4/°C	ISO 11359–1/–2
Coeff. of linear therm. expansion (normal)	1.1	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	225	V	IEC 60112

OTHER PROPERTIES	VALUE		
Water absorption	0.4	%	Sim. to ISO 62
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1430	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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