Property Data

Envalior
Imagine the Future

Pocan® T3240 S151 H65R3

Pocan® ECOT3240 POS151

(PBT+PET)–GF45

45% Glass Fiber Reinforced, Injection Molding, UV Stabilized, 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)	0.8	%	ISO 294–4
Molding shrinkage (parallel)	0.2	%	ISO 294–4
MECHANICAL PROPERTIES	**VALUE**		
Tensile modulus	16000	MPa	ISO 527–1/–2
Stress at break	160	MPa	ISO 527–1/–2
Strain at break	1.9	%	ISO 527–1/–2
Flexural modulus	15500	MPa	ISO 178
Flexural strength	260	MPa	ISO 178
Flexural strain at flexural strength	2.1	%	ISO 178–A
Charpy impact strength (+23°C)	60	kJ/m²	ISO 179/1eU
Charpy impact strength (–30°C)	65	kJ/m²	ISO 179/1eU
Izod impact strength (+23°C)	55	kJ/m²	ISO 180/1U
Izod impact strength (–30°C)	60	kJ/m²	ISO 180–1U
THERMAL PROPERTIES	**VALUE**		
Temp. of deflection under load (1.80 MPa)	205	°C	ISO 75–1/–2

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
Temp. of deflection under load (0.45 MPa)	225	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.2	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.8	E-4/°C	ISO 11359-1/-2

ELECTRICAL PROPERTIES	VALUE		
Comparative tracking index	275	V	IEC 60112

OTHER PROPERTIES	VALUE		
Density	1690	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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