Property Data

Envalior
Imagine the Future

Pocan® T3230 H70XR

Pocan® T3230 RC X–MB

(PBT+PET)–GF30

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
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
Izod impact strength (+23°C)	55	kJ/m²	ISO 180/1U
Izod impact strength (–30°C)	55	kJ/m²	ISO 180–1U
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

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Coeff. of linear therm. expansion (normal)	0.9	E–4/°C	ISO 11359–1/–2
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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