Property Data

Envalior
Imagine the Future

Pocan® B3215 S800

Arnite® TV4 220

PBT–GF10

10% Glass Fiber Reinforced

Print Date: 2026–04–09

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	**VALUE**		
Melt volume–flow rate (MVR)	21	cm³/10min	ISO 1133
Temperature	250	°C	ISO 1133
Load	2.16	kg	ISO 1133
Molding shrinkage [normal]	1.5	%	Sim. to ISO 294–4
Molding shrinkage [parallel]	0.85	%	Sim. to ISO 294–4
MECHANICAL PROPERTIES	**VALUE**		
Tensile modulus	4600	MPa	ISO 527–1/–2
Stress at break	90	MPa	ISO 527–1/–2
Strain at break	4	%	ISO 527–1/–2
Charpy impact strength (+23°C)	30	kJ/m²	ISO 179/1eU
Charpy impact strength (–30°C)	30	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	3.9	kJ/m²	ISO 179/1eA
Charpy notched impact strength (–30°C)	3.9	kJ/m²	ISO 179/1eA
THERMAL PROPERTIES	**VALUE**		
Melting temperature (10°C/min)	225	°C	ISO 11357–1/–3
Coeff. of linear therm. expansion (parallel)	0.6	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**		
Volume resistivity	>1E13	Ohm*m	IEC 62631–3–1

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
OTHER PROPERTIES	**VALUE**		
Water absorption	0.35	%	Sim. to ISO 62
Humidity absorption	0.16	%	Sim. to ISO 62
Density	1370	kg/m³	ISO 1183

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