Property Data

Envalior
Imagine the Future

Pocan® T3250

Arnite® TV4 491

(PBT+PET)–GF50

50% Glass Fiber Reinforced

Print Date: 2026–04–09

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	**VALUE**		
Molding shrinkage (normal)	0.9	%	ISO 294–4
Molding shrinkage (parallel)	0.3	%	ISO 294–4
MECHANICAL PROPERTIES	**VALUE**		
Tensile modulus	16500	MPa	ISO 527–1/–2
Stress at break	155	MPa	ISO 527–1/–2
Strain at break	1.6	%	ISO 527–1/–2
Flexural modulus	15000	MPa	ISO 178
Flexural strength	195	MPa	ISO 178
Charpy impact strength (+23°C)	55	kJ/m²	ISO 179/1eU
Charpy impact strength (–30°C)	60	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	9.5	kJ/m²	ISO 179/1eA
THERMAL PROPERTIES	**VALUE**		
Melting temperature (10°C/min)	225	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	205	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	225	°C	ISO 75–1/–2
ELECTRICAL PROPERTIES	**VALUE**		
Volume resistivity	>1E13	Ohm*m	IEC 62631–3–1
OTHER PROPERTIES	**VALUE**		
Water absorption	0.3	%	Sim. to ISO 62

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
Humidity absorption	0.15	%	Sim. to ISO 62
Density	1720	kg/m³	ISO 1183

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