Property Data

Envalior
Imagine the Future

Pocan® B7540 901510

Arnite® TZ6 280 (BK22003)

PBT–(GF+GB)40

20% Glass Fiber Reinforced, 20% Glass Beads Reinforced

Print Date: 2026–04–09

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	**VALUE**		
Molding shrinkage (normal)	1	%	ISO 294–4
Molding shrinkage (parallel)	0.4	%	ISO 294–4
MECHANICAL PROPERTIES	**VALUE**		
Tensile modulus	9100	MPa	ISO 527–1/–2
Stress at break	100	MPa	ISO 527–1/–2
Strain at break	2.5	%	ISO 527–1/–2
Flexural modulus	8800	MPa	ISO 178
Flexural strength	160	MPa	ISO 178
Charpy impact strength (+23°C)	35	kJ/m²	ISO 179/1eU
Charpy impact strength (–30°C)	30	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	7	kJ/m²	ISO 179/1eA
Charpy notched impact strength (–30°C)	5.5	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)	210	°C	ISO 75–1/–2
Coeff. of linear therm. expansion (parallel)	0.3	E–4/°C	ISO 11359–1/–2
Coeff. of linear therm. expansion (normal)	1.3	E–4/°C	ISO 11359–1/–2
ELECTRICAL PROPERTIES	**VALUE**		
Volume resistivity	>1E13	Ohm*m	IEC 62631–3–1

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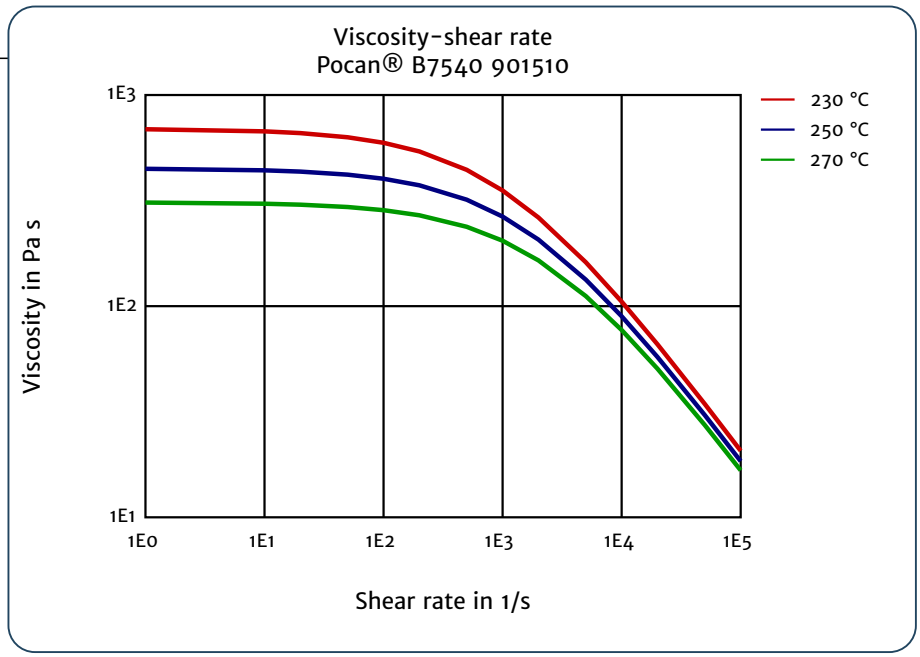
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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
Comparative tracking index	250	V	IEC 60112

OTHER PROPERTIES	VALUE		
Water absorption	0.25	%	Sim. to ISO 62
Humidity absorption	0.15	%	Sim. to ISO 62
Density	1630	kg/m³	ISO 1183

Viscosity–shear rate



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