Property Data

Envalior
Imagine the Future

Arnitel® EB501

TPC–ET

Blow Molding Grade

Print Date: 2026–07–23

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	**VALUE**		
Melt volume–flow rate (MVR)	7	cm³/10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	10	kg	ISO 1133
MECHANICAL PROPERTIES	**VALUE**		
Shore D Hardness (3s)	51	–	ISO 868
Shore D Hardness (15s)	51	–	ISO 868
Tensile modulus	140	MPa	ISO 527–1/–2
Stress at break	24	MPa	ISO 527–1/–2
Nominal strain at break	150	%	ISO 527–1/–2
Stress at 5% strain	6.5	MPa	ISO 527–1/–2
Stress at 10% strain	11	MPa	ISO 527–1/–2
Stress at 50% strain	18	MPa	ISO 527–1/–2
Stress at 100% strain	21	MPa	ISO 527–1/–2
Charpy notched impact strength (+23°C)	N	kJ/m²	ISO 179/1eA
Izod notched impact strength (+23°C)	N	kJ/m²	ISO 180/1A
Tear strength	123	kN/m	ISO 34–1; Method B
THERMAL PROPERTIES	**VALUE**		
Melting temperature (10°C/min)	199	°C	ISO 11357–1/–3
Vicat softening temperature (50°C/h 50N)	54	°C	ISO 306
Coeff. of linear therm. expansion (parallel)	2.2	E–4/°C	ISO 11359–1/–2
Coeff. of linear therm. expansion (normal)	2.2	E–4/°C	ISO 11359–1/–2

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PROPERTIES	*TYPICAL DATA*	*UNIT*	*TEST METHOD*
OTHER PROPERTIES	***VALUE***		
Density	1180	kg/m³	ISO 1183
Humidity absorption	1.19	%	Sim. to ISO 62

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