Property Data

Envalior
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Pocan® BM4240

Arnite® BM4 240

(PBT+PET)–MD20

20% Mineral Reinforced

Print Date: 2026–04–09

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	**VALUE**		
Melt volume–flow rate (MVR)	34	cm³/10min	ISO 1133
Temperature	270	°C	ISO 1133
Load	2.16	kg	ISO 1133
Molding shrinkage [normal]	1.7	%	Sim. to ISO 294–4
Molding shrinkage [parallel]	1.4	%	Sim. to ISO 294–4
MECHANICAL PROPERTIES	**VALUE**		
Tensile modulus	4500	MPa	ISO 527–1/–2
Stress at break	55	MPa	ISO 527–1/–2
Strain at break	2.2	%	ISO 527–1/–2
Charpy impact strength (+23°C)	30	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	2	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)	100	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	195	°C	ISO 75–1/–2
OTHER PROPERTIES	**VALUE**		
Water absorption	0.35	%	Sim. to ISO 62
Humidity absorption	0.15	%	Sim. to ISO 62
Density	1480	kg/m³	ISO 1183

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