

Arnitel[®] L–X08346

TPC–ET

Injection Molding

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	VALUE		
Melt flow index MFI	25	g/10min	ISO 1133
MFI test load	2.16	kg	ISO 1133
MFI test temperature	230	°C	ISO 1133
Molding shrinkage [parallel]	1.75	%	Sim. to ISO 294–4
Molding shrinkage [normal]	2	%	Sim. to ISO 294–4
MECHANICAL PROPERTIES	VALUE		
Shore D Hardness (3s)	70	—	ISO 868
Yield stress	27	MPa	ISO 527–1/–2
Stress at break	30	MPa	ISO 527–1/–2
Nominal strain at break	500	%	ISO 527–1/–2
Stress at 5% strain	10	MPa	ISO 527–1/–2
Stress at 10% strain	18	MPa	ISO 527–1/–2
Stress at 50% strain	24	MPa	ISO 527–1/–2
Charpy notched impact strength (+23°C)	16	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES	VALUE		
Melting temperature (10°C/min)	216	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	52	°C	ISO 75–1/–2
Coeff. of linear therm. expansion (parallel)	1.75	E–4/°C	ISO 11359–1/–2
Coeff. of linear therm. expansion (normal)	1.75	E–4/°C	ISO 11359–1/–2

OTHER PROPERTIES

VALUE

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
Density	1260	kg/m³	ISO 1183
Water absorption	0.6	%	Sim. to ISO 62
Humidity absorption	0.18	%	Sim. to ISO 62