

Arnitel[®] VT3108 B–MB

TPC–ET

Film Extrusion, Highly Breathable, Drying of Material Required, Food Contact Quality

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	VALUE		
Melt volume–flow rate	10	cm ³ /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
MECHANICAL PROPERTIES	VALUE		
Shore D Hardness (3s)	45	–	ISO 868
Tensile modulus	110	MPa	ISO 527–1/–2
Stress at break	20	MPa	ISO 527–1/–2
Nominal strain at break	280	%	ISO 527–1/–2
Stress at 5% strain	5.1	MPa	ISO 527–1/–2
Stress at 10% strain	8.1	MPa	ISO 527–1/–2
Stress at 50% strain	12.5	MPa	ISO 527–1/–2
Stress at 100% strain	14.1	MPa	ISO 527–1/–2
Charpy notched impact strength (+23°C)	N	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (–30°C)	N	kJ/m ²	ISO 179/1eA
Izod notched impact strength (+23°C)	N	kJ/m ²	ISO 180/1A
Izod notched impact strength (–30°C)	N	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES	VALUE		
Melting temperature (10°C/min)	185	°C	ISO 11357–1/–3
Vicat softening temperature (50°C/h 50N)	44	°C	ISO 306
Vicat softening temperature (50°C/h 10N)	156	°C	ISO 306

Property Data (Provisional)

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
OTHER PROPERTIES	VALUE		
Density	1250	kg/m³	ISO 1183
Water absorption	33	%	Sim. to ISO 62