

Arnitel® VT3108

TPC-ET

Extrusion Grade, Highly Breathable, Drying of Material Required

Print Date: 2018-05-01

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
Thickness tested	1.6	mm	IEC 60695-11-10

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Property Data

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Properties	Typical Data	Unit	Test Method
Other properties	Value		
Density	1250	kg/m ³	ISO 1183
Water absorption	33	%	Sim. to ISO 62

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