

Arnitel[®] VT3118

TPC-ET

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

Print Date: 2024-07-04

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	VALUE		
Melt volume-flow rate	4	cm ³ /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	10	kg	ISO 1133
MECHANICAL PROPERTIES			
	VALUE		
Shore D Hardness (3s)	56	–	ISO 868
Tensile modulus	120	MPa	ISO 527-1/-2
Stress at break	25	MPa	ISO 527-1/-2
Nominal strain at break	150	%	ISO 527-1/-2
Stress at 10% strain	10	MPa	ISO 527-1/-2
Stress at 100% strain	22.5	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
OTHER PROPERTIES			
	VALUE		
Density	1250	kg/m ³	ISO 1183
Water absorption	33	%	Sim. to ISO 62

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