

Arnitel[®] Care L345A

TPC-ET

45 Shore D, Medium Viscosity, Highly Breathable, Medical grade, Food Contact Quality

Print Date: 2024-11-05

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

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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

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