

Arnitel[®] Care L345A

TPC-ET

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

Print Date: 2026-04-09

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<i>RHEOLOGICAL PROPERTIES</i>			
	<i>VALUE</i>		
Melt volume-flow rate (MVR)	10	cm ³ /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
<i>MECHANICAL PROPERTIES</i>			
	<i>VALUE</i>		
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
<i>THERMAL PROPERTIES</i>			
	<i>VALUE</i>		
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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Property Data

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
OTHER PROPERTIES	VALUE		
Density	1250	kg/m ³	ISO 1183
Water absorption	33	%	Sim. to ISO 62

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