Property Data

Envalior
Imagine the Future

Arnitel® Care L345A

TPC–ET

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

Print Date: 2026–08–26

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	**VALUE**		
Melt volume–flow rate (MVR)	10	cm³/10min	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/m²	ISO 179/1eA
Charpy notched impact strength (–30°C)	N	kJ/m²	ISO 179/1eA
Izod notched impact strength (+23°C)	N	kJ/m²	ISO 180/1A
Izod notched impact strength (–30°C)	N	kJ/m²	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

Seller represents and warrants exclusively that on the date of delivery by Seller the product shall be in conformity with the specifications agreed upon. Seller makes no other representations or warranties, whether express or implied.
Seller is not responsible or liable for the design of the products of the Customer and it is the responsibility of the Customer to determine that the Seller's product is safe, complies with application laws and regulations, and is technically or otherwise fit for its intended use. Seller does not endorse or claim suitability of its products for a specific application and disclaims each and every representation or warranty, whether express or implied, in that respect.
Typical values are indicative only and are not to be construed as being binding specifications. Colorants in the product or other additives may cause significant variations in typical values.
Copyright © Envalior 2026. All rights reserved. No part of the information may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of Envalior.

Property Data

Arnitel® Care L345A

Print Date: 2026–08–26

PROPERTIES	*TYPICAL DATA*	*UNIT*	*TEST METHOD*
OTHER PROPERTIES	***VALUE***		
Density	1250	kg/m³	ISO 1183
Water absorption	24	%	Sim. to ISO 62

Seller represents and warrants exclusively that on the date of delivery by Seller the product shall be in conformity with the specifications agreed upon. Seller makes no other representations or warranties, whether express or implied.
Seller is not responsible or liable for the design of the products of the Customer and it is the responsibility of the Customer to determine that the Seller's product is safe, complies with application laws and regulations, and is technically or otherwise fit for its intended use. Seller does not endorse or claim suitability of its products for a specific application and disclaims each and every representation or warranty, whether express or implied, in that respect.
Typical values are indicative only and are not to be construed as being binding specifications. Colorants in the product or other additives may cause significant variations in typical values.
Copyright © Envalior 2026. All rights reserved. No part of the information may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of Envalior.