

Arnitel® Care L345A
Envalior - Thermoplastic Copolyester Elastomer
General Information
Product Description

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

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Breathable	• Food Contact Acceptable	• Medium Viscosity
Uses	• Medical/Healthcare Applications		
Agency Ratings	• USP Class VI		
Processing Method	• Extrusion		
Resin ID	• TPC-ET		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	10	cm ³ /10min	ISO 1133
Water Absorption (Saturation, 73°F)	33	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	16000	psi	ISO 527-1
Tensile Stress (Break)	2900	psi	ISO 527-2
Tensile Stress			ISO 527-2
5.0% Strain	740	psi	
10% Strain	1170	psi	
50% Strain	1810	psi	
100% Strain	2050	psi	
Nominal Tensile Strain at Break	280	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	No Break		
73°F	No Break		
Notched Izod Impact Strength			ISO 180/1A
-22°F	No Break		
73°F	No Break		
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 3 sec)	45		ISO 868
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	111	°F	ISO 306/B50
--	313	°F	ISO 306/A50
Melting Temperature ²	365	°F	ISO 11357-3

Notes
¹ Typical properties: these are not to be construed as specifications.

² 10°C/min
