

Arnite® Care A1U
Envalior - Polyethylene Terephthalate
General Information
Product Description

Medical grade, Low Viscosity, Injection Molding or Extrusion Grade

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Features	• Low Viscosity
Uses	• Medical/Healthcare Applications
Agency Ratings	• USP Class VI
Processing Method	• Extrusion • Injection Molding
Resin ID	• PET

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.39	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	1.6	%	
Flow	1.6	%	
Water Absorption (Equilibrium, 73°F, 50% RH)	0.30	%	ISO 62
Viscosity Number	85.0	cm ³ /g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	363000	psi	ISO 527-1
Tensile Stress (Yield)	8410	psi	ISO 527-2
Tensile Stress (Break)	8410	psi	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	154	°F	ISO 75-2/B
Melting Temperature ²	491	°F	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+13	ohms·m	IEC 62631-3-1

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

² 10°C/min
