

**Arnite® A02 307**

Envalior - Polyethylene Terephthalate

**General Information**
**Product Description**

Low Viscosity, Injection Molding or Extrusion Grade, Food Contact Quality

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Food Contact Acceptable	• Low Viscosity	
Processing Method	• Extrusion	• Injection Molding	
Resin ID	• PET		

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density	1.39	g/cm <sup>3</sup>	ISO 1183
Melt Volume-Flow Rate (MVR) (290°C/5.0 kg)	65	cm <sup>3</sup> /10min	ISO 1133
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 <sup>3</sup> /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 <sup>2</sup>	491	°F	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+13	ohms·m	IEC 62631-3-1

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 10°C/min
