

**Arnitel® VT3112**
*Envalior - Thermoplastic Copolyester Elastomer*
**General Information**
**Product Description**

Extrusion Grade, Highly Breathable, Food Contact Quality, Drying of Material Required

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Breathable	• Food Contact Acceptable	
Processing Method	• Extrusion		
Resin ID	• TPC-ET		

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

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density	1.23	g/cm <sup>3</sup>	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	11	cm <sup>3</sup> /10min	ISO 1133
Water Absorption (Saturation, 73°F)	130	%	ISO 62
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Modulus	34800	psi	ISO 527-1
Tensile Stress (Break)	2320	psi	ISO 527-2
Tensile Stress			ISO 527-2
5.0% Strain	1160	psi	
10% Strain	1600	psi	
50% Strain	1810	psi	
100% Strain	1810	psi	
Tensile Strain (Break)	> 300	%	ISO 527-2
Nominal Tensile Strain at Break	400	%	ISO 527-2
<b>Hardness</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Shore Hardness (Shore D, 3 sec)	47		ISO 868
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Melting Temperature <sup>2</sup>	410	°F	ISO 11357-3

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

<sup>2</sup> 10°C/min
