

**Arnitel® VT7812**
*Envalior - Thermoplastic Copolyester Elastomer*
**General Information**
**Product Description**

Film Extrusion, Highly Breathable, Drying of Material Required

**General**

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

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

Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm <sup>3</sup>	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/10.0 kg)	9.0	cm <sup>3</sup> /10min	ISO 1133
Water Absorption (Saturation, 73°F)	130	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	46400	psi	ISO 527-1
Tensile Stress (Break)	3050	psi	ISO 527-2
Tensile Stress			ISO 527-2
5.0% Strain	1550	psi	
10% Strain	2030	psi	
50% Strain	2180	psi	
100% Strain	2320	psi	
Tensile Strain (Break)	> 300	%	ISO 527-2
Nominal Tensile Strain at Break	200	%	ISO 527-2
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 3 sec)	50		ISO 868
Thermal	Nominal Value	Unit	Test Method
Melting Temperature <sup>2</sup>	405	°F	ISO 11357-3

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

<sup>2</sup> 10°C/min
