

**Arnitel® PM471**
*Envalior - Thermoplastic Copolyester Elastomer*
**General Information**
**Product Description**

Injection Molding

**General**

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

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

Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm <sup>3</sup>	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	13	cm <sup>3</sup> /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.6	%	
Flow	1.6	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	24700	psi	ISO 527-1
Tensile Stress			ISO 527-2
Break	2180	psi	
Across Flow : Break	2320	psi	
Tensile Stress			ISO 527-2
5.0% Strain	928	psi	
10% Strain	1280	psi	
50% Strain	1600	psi	
100% Strain	1740	psi	
Tensile Strain - Across Flow (Break)	320	%	ISO 527-2
Nominal Tensile Strain at Break	170	%	ISO 527-2
Flexural Modulus	23200	psi	ISO 178
Elastomers	Nominal Value	Unit	Test Method
Tear Strength <sup>2</sup>			ISO 34-1
Across Flow	428	lbf/in	
Flow	423	lbf/in	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	No Break		
73°F	No Break		
Charpy Unnotched Impact Strength			ISO 179/1eU
-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)	44		ISO 868
Thermal	Nominal Value	Unit	Test Method
Melting Temperature <sup>3</sup>	423	°F	ISO 11357-3

