

Arnitel® XG01IM
Envalior - Thermoplastic Copolyester Elastomer
General Information
Product Description

Injection Molding

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	14	cm ³ /10min	ISO 1133
Water Absorption (Saturation, 73°F)	0.16	%	ISO 62
Water Absorption (Equilibrium, 73°F, 50% RH)	0.45	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5220	psi	ISO 527-1
Tensile Stress (Break)	1280	psi	ISO 527-2
Tensile Stress			ISO 527-2
10% Strain	276	psi	
100% Strain	595	psi	
Nominal Tensile Strain at Break	550	%	ISO 527-2
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	82		ISO 868
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature ²	-94.0	°F	ISO 11357-2
Melting Temperature ²	356	°F	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	8.4E+11	ohms·m	IEC 62631-3-1
Electric Strength	550	V/mil	IEC 60243-1

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

² 10°C/min
