

Arnitel® XG01IS
Envalior - Thermoplastic Copolyester Elastomer
General Information
Product Description

Extrusion Grade

Design Challenge

Flame Retardancy | Halogen free

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	2.7	cm ³ /10min	ISO 1133
Water Absorption (Saturation, 73°F)	0.17	%	ISO 62
Water Absorption (Equilibrium, 73°F, 50% RH)	0.45	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8120	psi	ISO 527-1
Tensile Stress (Break)	1230	psi	ISO 527-2
Tensile Stress			ISO 527-2
10% Strain	435	psi	
100% Strain	638	psi	
Nominal Tensile Strain at Break	350	%	ISO 527-2
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	86		ISO 868
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature ²	-94.0	°F	ISO 11357-2
Melting Temperature ²	342	°F	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.9E+11	ohms·m	IEC 62631-3-1
Electric Strength	530	V/mil	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in	V-2		
0.12 in	V-1		
Flammability Classification			IEC 60695-11-10, -20
0.12 in	V-1		
0.06 in	V-2		

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

² 10°C/min
