

Arnitel® L-X08346

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	• Injection Molding		
Resin ID	• TPC-ET		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.26	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	2.0	%	
Flow	1.8	%	
Water Absorption (Saturation, 73°F)	0.60	%	ISO 62
Water Absorption (Equilibrium, 73°F, 50% RH)	0.18	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	43500	psi	ISO 527-1
Tensile Stress (Yield)	3920	psi	ISO 527-2
Tensile Stress (Break)	4350	psi	ISO 527-2
Tensile Stress			ISO 527-2
5.0% Strain	1450	psi	
10% Strain	2610	psi	
50% Strain	3480	psi	
Tensile Strain (Break)	> 300	%	ISO 527-2
Nominal Tensile Strain at Break	• > 50	%	ISO 527-2
	• 500		
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	7.6	ft·lb/in ²	ISO 179/1eA
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 3 sec)	70		ISO 868
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	126	°F	ISO 75-2/A
Melting Temperature ²	421	°F	ISO 11357-3
CLTE - Flow	9.7E-5	in/in/°F	ISO 11359-2
CLTE - Transverse	9.7E-5	in/in/°F	ISO 11359-2

Notes

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

² 10°C/min

