

Arnitel® EM460 LG4
Envalior - Thermoplastic Copolyester Elastomer
General Information
Product Description

Injection Molding or Extrusion Grade

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	24	g/10 min	ISO 1133
Water Absorption (Saturation, 73°F)	0.55	%	ISO 62
Water Absorption (Equilibrium, 73°F, 50% RH)	0.25	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	145000	psi	ISO 527-1
Tensile Stress (Break)	• 2610 • 4640	psi	ISO 527-2
Tensile Strain (Yield)	18	%	ISO 527-2
Flexural Modulus	131000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	14	ft·lb/in ²	ISO 180/1A
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	56		ISO 868
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	230	°F	ISO 75-2/A
Melting Temperature ²	365	°F	ISO 11357-3

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

² 10°C/min
