

Arnitel® PM460-H
Envalior - Thermoplastic Copolyester Elastomer
General Information
Product Description

Injection Molding, Heat Stabilized

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	9.6	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	17400	psi	ISO 527-1
Tensile Stress (Break)	2830	psi	ISO 527-2
Tensile Stress			ISO 527-2
5.0% Strain	783	psi	
10% Strain	1220	psi	
50% Strain	1930	psi	
100% Strain	2250	psi	
Nominal Tensile Strain at Break	210	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-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)	45		ISO 868
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	149	°F	ISO 75-2/B
Melting Temperature ²	421	°F	ISO 11357-3

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

² 10°C/min
