

Arnitel® EM400-B

Envalior - Thermoplastic Copolyester Elastomer

General Information

Product Description

Injection Molding, Molding Release, Food Contact Quality

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Mold Release		
Features	• Food Contact Acceptable		
Processing Method	• Injection Molding		
Resin ID	• TPC-ET		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	34	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5800	psi	ISO 527-1
Tensile Stress (Break)	2760	psi	ISO 527-2
Tensile Stress			ISO 527-2
5.0% Strain	290	psi	
10% Strain	493	psi	
50% Strain	899	psi	
100% Strain	1020	psi	
Tensile Strain (Break)	> 300	%	ISO 527-2
Nominal Tensile Strain at Break	• > 50 • 800	%	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
-4°F	No Break		
73°F	No Break		
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 3 sec)	30		ISO 868
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ²	383	°F	ISO 11357-3

Notes

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

² 10°C/min

