

Arnite® BM4 240
Envalior - Polybutylene Terephthalate + PET
General Information
Product Description

20% Mineral Reinforced

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • Asia Pacific • Latin America • North America
Filler / Reinforcement	• Mineral, 20% Filler by Weight
Processing Method	• Injection Molding
Resin ID	• (PBT+PET)-MD20

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.48	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (270°C/2.16 kg)	34	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.7	%	
Flow	1.4	%	
Water Absorption (Saturation, 73°F)	0.35	%	ISO 62
Water Absorption (Equilibrium, 73°F, 50% RH)	0.15	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	653000	psi	ISO 527-1
Tensile Stress (Break)	7980	psi	ISO 527-2
Tensile Strain (Break)	2.2	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	0.95	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	14	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	383	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	212	°F	ISO 75-2/A
Melting Temperature ²	437	°F	ISO 11357-3

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

² 10°C/min
