

Arnite® B600SE
Envalior - Polybutylene Terephthalate
General Information
Product Description

Flame Retardant

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Features	• Flame Retardant
Processing Method	• Injection Molding
Resin ID	• PBT FR

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.45	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (240°C/2.16 kg)	48	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	2.9	%	
Flow	2.7	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	435000	psi	ISO 527-1
Tensile Stress (Break)	8700	psi	ISO 527-2
Tensile Strain (Break)	3.0	%	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)	11	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	293	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	140	°F	ISO 75-2/A
Melting Temperature ²	437	°F	ISO 11357-3
Flammability	Nominal Value	Unit	Test Method
Flammability Classification (0.13 in)	V-0		IEC 60695-11-10, -20

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

² 10°C/min
