

Arnite® TV4 660 SN
Envalior - Polycarbonate + PBT
General Information
Product Description

30% Glass Fiber Reinforced, Flame Retardant

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Features	• Flame Retardant
Processing Method	• Injection Molding
Resin ID	• (PBT+PC)-GF30 FR

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.58	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.95	%	
Flow	0.35	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1.52E+6	psi	ISO 527-1
Tensile Stress (Break)	18900	psi	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.8	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	26	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	356	°F	ISO 75-2/A
Melting Temperature ²	437	°F	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (CTI)	PLC 3		UL 746A
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in	V-0		
0.12 in	V-0		
Flammability Classification			IEC 60695-11-10, -20
0.030 in	V-0		
0.06 in	V-0		
0.12 in	V-0		

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

² 10°C/min
