

Technical Data Sheet

Vitamide BW36WT 2736/1



Polyamide 6

Product Description

Vitamide BW36WT 2736/1 is a Polyamide 6 Glass Bead, 10%, Glass Fiber, 20% filled material and is typically used in Injection Molding applications.

Processing Method	Injection Molding
Additive	Flame Retardant
Filler/Reinforcement	Glass Bead, 10%; Glass Fiber, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density	1.57	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield	115	MPa	ISO 527-2
Tensile Strain at Break	2	%	ISO 527-2
Flexural Modulus	7000	MPa	ISO 178
Flexural Stress	160	MPa	ISO 178
Impact			
Notched Izod Impact Strength	6	kJ/m ²	ISO 180
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	>220	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	190	°C	ISO 75-2/A
DSC Melting Point	222	°C	ISO 3146
Flammable			
Burning Rate			
(2.00 mm)	<100	mm/min	ISO 3795
(2.00 mm)	<100	mm/min	FMVSS 302
Glow Wire Ignition Temperature	850	°C	IEC 60695-2-13
UL Information			
Flame Rating	HB		UL 94

Injection Parameters	Nominal Value	Units
Drying Time	3.0 to 4.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	250 to 280	°C
Mold Temperature	60 to 100	°C