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Technical Data Sheet

Vitamide TT32BK 3176/1

Polyamide 66/6 Copolymer

Product Description
Impact modified, heat stabilized 7% Glass filled Polyamide 6/66 copolymer

Processing Method	Injection Molding
Additive	Heat Stabilizer; Impact Modifier
Filler/Reinforcement	Glass Fiber, 7.0%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density	1.17	g/cm³	ISO 1183
Mechanical			
Tensile Strain at Break	8	%	ISO 527-2
Flexural Modulus	2000	MPa	ISO 178
Tensile Stress at Break	74	MPa	ISO 527-2
Flexural Stress	100	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched	11	kJ/m²	ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	180	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	70	°C	ISO 75-2/A
Flammable			
Burning Rate, (FMVSS 302)	<100	mm/min	FMVSS 302
Additional Information			
Water Absorption 24h/23C	1.3	%	ISO 62
UL Information			
Flame Rating			
(1.5 mm)	HB		UL 94
(3.0 mm)	HB		UL 94

Injection Parameters	Nominal Value	Units
Drying Time	4.0 to 6.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	270 to 300	°C
Mold Temperature	60 to 100	°C