

Technical Data Sheet

Vitamide TT32BK 3176/1



Polyamide 66/6 Copolymer

Product Description

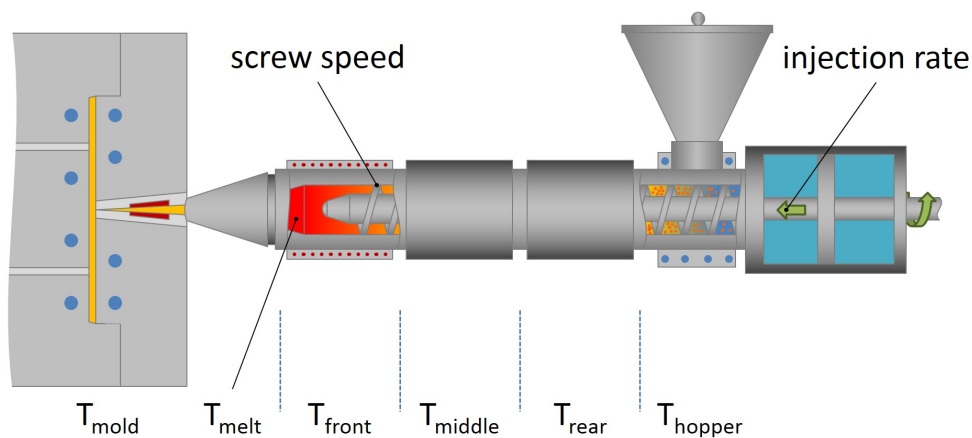
Impact modified, heat stabilized 7% Glass filled Polyamide 6/66 copolymer

Regulatory Status

For regulatory compliance information, see *Vitamide* TT32BK 3176/1 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Limited Issue
Availability	Africa-Middle East; Asia-Pacific; Europe; Latin America; North America
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/cm ³	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/m ²	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

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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