

Technical Data Sheet

Vitamide BI22 NAT 0-0204



Polyamide 6

Product Description

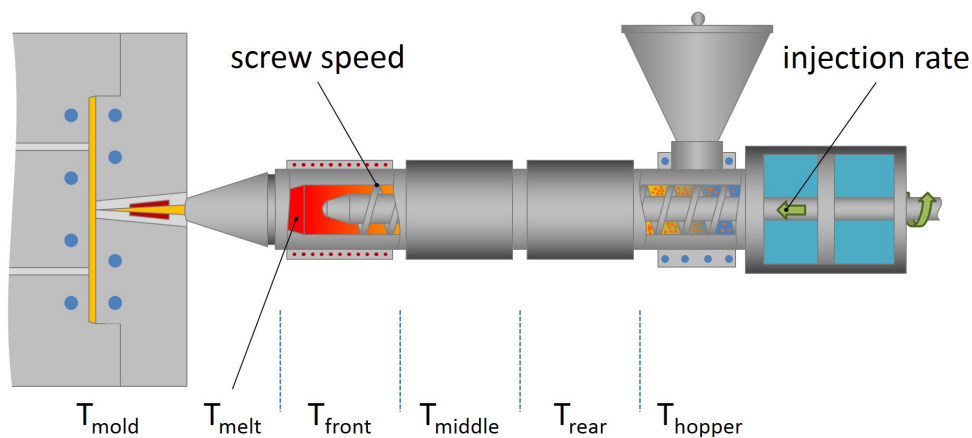
Impact Modified, UV stabilized Polyamide 6. Suitable for a wide range of applications this grade offers a good balance of stiffness and impact strength. Colour matched compounds and customer specific performance requirements are available on request.

Regulatory Status

For regulatory compliance information, see *Vitamide BI22 NAT 0-0204* [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
Attribute	Impact Modified; UV Stabilized

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density	1.11	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break	50	%	ISO 527-2
Flexural Modulus	1600	MPa	ISO 178
Tensile Stress at Break	60	MPa	ISO 527-2
Flexural Stress	80	MPa	ISO 178
Impact			
Notched Izod Impact Strength	18	kJ/m ²	ISO 180
Hardness			
Ball Indentation Hardness, (H 358/30)	110	MPa	ISO 2039-1
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	160	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	60	°C	ISO 75-2/A
DSC Melting Point	222	°C	ISO 3146
Flammable			
Burning Rate, (FMVSS)	<100	mm/min	FMVSS
Additional Information			
Molding Shrinkage	1.5	%	ISO 294-4
Water Absorption 24h/23C	1.3	%	ISO 62
UL Information			
Flame Rating, (1.6 mm)	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 270	°C
Mold Temperature	60 to 90	°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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