

Technical Data Sheet

Vitamide AS70 NT VN6703



Polyamide 66

Product Description

Vitamide AS70 NT VN6703 is a Polyamide 66 material.

Regulatory Status

For regulatory compliance information, see Vitamide AS70 NT VN6703 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Discontinued
Availability	Europe
Appearance	Natural Color

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (275 °C/0.325 kg)	5.0	g/10 min	ISO 1133
Density	1.13	g/cm ³	ISO 1183
Density - Specific Gravity	1.13	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	75	MPa	ASTM D638
Tensile Stress at Yield	75	MPa	ISO 527-2
Tensile Strain at Break	30	%	ISO 527-2
Flexural Modulus	2800	MPa	ISO 178
Tensile Elongation at Break	30	%	ASTM D638
Tensile Modulus	3000	MPa	ASTM D638
Flexural Stress	105	MPa	ISO 178
Flexural Strength	105	MPa	ASTM D790
Impact			
Charpy Impact Strength - Notched	4.5	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched	No Break		ISO 179
Notched Izod Impact Strength, (Type 1, Notch A)	5.0	kJ/m ²	ISO 180
Hardness			
Shore Hardness	84		ISO 868
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	190	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	70	°C	ISO 75-2/A
Deflection Temperature Under Load Unannealed (264 psi)	70	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	190	°C	ASTM D648
Melting Temperature	260	°C	ISO 1218
Peak Melting Temperature	260	°C	ASTM D2117
Coefficient of Linear Thermal Expansion (CLTE), Flow	7E-05	cm/cm/°C	ASTM D696
Electrical			
Dielectric Strength	28	kV/mm	ASTM D149
Comparative Tracking Index (CTI)	600	V	ASTM D3638
(Solution A)	600	V	IEC 60112

Surface Resistivity	1E+15	ohm	ASTM D257
Flammable			
Oxygen Index	27	%	ASTM D2863
Additional Information			
Water Absorption 24h/23C	1.5	%	ISO 62
Water Absorption at 24 hrs	1.5	%	ASTM D570
Water Absorption at Sat.	8	%	ASTM D570
Water Absorption Sat/23C	8	%	ISO 62
UL Information			
Flame Rating	V-2		UL 94

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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