

Technical Data Sheet

Vitamide AM10GY 1260/1



Polyamide 66

Product Description

Molybdenum disulphide lubricated Polyamide 66. Suitable for a wide range of high wear and anti-friction applications this grade offers a good balance of low friction and good impact strength. Natural metallic grey and black only.

Regulatory Status

For regulatory compliance information, see *Vitamide* AM10GY 1260/1 [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

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density	1.14	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break	30	%	ISO 527-2
Flexural Modulus	2900	MPa	ISO 178
Tensile Stress at Break	120	MPa	ISO 527-2
Flexural Stress	120	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched	6	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched	No Break		ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	225	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	80	°C	ISO 75-2/A
Melting Temperature	260	°C	ASTM D2117
Coefficient of Linear Thermal Expansion (CLTE), Flow	7.1E-5	cm/cm/°C	ASTM D696
Electrical			
Surface Resistivity	1.1E-10	ohm	IEC 62631-3-2
Additional Information			
Water Absorption 24h/23C	1.2	%	ISO 62
UL Information			
Flame Rating, (1.6 mm)	HB		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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