

## 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.

**Processing Method** Injection Molding

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Density	1.14	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
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
<b>Impact</b>			
Charpy Impact Strength - Notched	6	kJ/m <sup>2</sup>	ISO 179
Charpy Impact Strength - Unnotched	No Break		ISO 179
<b>Thermal</b>			
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
<b>Electrical</b>			
Surface Resistivity	1.1E-10	ohm	IEC 62631-3-2
<b>Additional Information</b>			
Water Absorption 24h/23C	1.2	%	ISO 62
<b>UL Information</b>			
Flame Rating, (1.6 mm)	HB		UL 94