

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
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