

Product Texts

HiDura D1MG33H NT0863 is a heat stabilized, 33% glass filled PA612 designed for injection molding applications.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.7 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	9600 / 8600	MPa	ISO 527
^[C] Stress at break	172 / 141	MPa	ISO 527
^[C] Strain at break	4.3 / 5.4	%	ISO 527
^[C] Charpy impact strength, +23°C	95 / 90	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	94 / 85	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	16 / 17	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	12 / 12	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	218 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	193 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	213 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	20 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	113 / *	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Electric strength	32 / 30	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	0.3 / *	%	Sim. to ISO 62
^[C] Humidity absorption	0.8 / *	%	Sim. to ISO 62
^[C] Density	1320 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Natural Color

Additives

Lubricants

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa