

Product Texts

HiDura D1MG33H BK0814 is a heat stabilized, 33% glass filled PA612 material designed for injection molding applications.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.5 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	1.2 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	9600 / 7900	MPa	ISO 527
^[C] Stress at break	163 / 125	MPa	ISO 527
^[C] Strain at break	3.7 / 5.8	%	ISO 527
^[C] Charpy impact strength, +23°C	89 / 79	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	82 / 71	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	14 / 13	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	11 / 10	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	192 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	206 / *	°C	ISO 75-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Electric strength	35 / 36	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Humidity absorption	0.84 / *	%	Sim. to ISO 62
^[C] Density	1320 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Black

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific