

Product Texts

HiDura D1MG33J BK0816 is an organically 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	0.4 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	1.3 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties

dry / cond

Unit

Test Standard

ISO Data

^[C] Tensile Modulus	9800 / 7900	MPa	ISO 527
^[C] Stress at break	160 / 127	MPa	ISO 527
^[C] Strain at break	3.5 / 5	%	ISO 527
^[C] Charpy impact strength, +23°C	84 / 77	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	69 / 70	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	13 / 14	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	10 / 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	197 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	211 / *	°C	ISO 75-1/-2

[C]: CAMPUS

Electrical properties

dry / cond

Unit

Test Standard

ISO Data

^[C] Electric strength	31 / 30	kV/mm	IEC 60243-1
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[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

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Pellets, Black

Regional Availability

North America, Europe, Asia Pacific