

Product Texts

HiDura D0MW BK0804 is a weatherable, lubricated, low viscosity PA612 molding grade. It exhibits excellent flow and release making it suitable for injection molding of thin parts (e.g. cable ties). It exhibits low moisture absorption, good chemical resistance, dimensional stability and weather resistance making it ideal for outdoor applications. PA612 offers a unique balance of thermal, mechanical and physical properties.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	2.2 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	2.1 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2300 / 1600	MPa	ISO 527
^[C] Yield stress	63 / 51	MPa	ISO 527
^[C] Yield strain	9.6 / 14	%	ISO 527
^[C] Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	N / N	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	5 / 10	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	3.5 / 5.9	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	70 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	155 / *	°C	ISO 75-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Electric strength	38 / -	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	0.39 / *	%	Sim. to ISO 62
^[C] Humidity absorption	1.3 / *	%	Sim. to ISO 62
^[C] Density	1080 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Black

Additives

Lubricants

Special Characteristics

U.V. stabilized or stable to weather

Chemical Resistance

General Chemical Resistance

Regional Availability

North America, Europe, Asia Pacific