

**Product Texts**

HiDura D0MP NT0805 is a nucleated, lubricated and low viscosity PA612 molding grade. It exhibits excellent flow, crystallization rate and release making it suitable for injection molding of thin parts (i.e. cable ties, battery seals, etc). It exhibits low moisture absorption, good chemical resistance and dimensional stability. PA612 offers a unique balance of thermal, mechanical and physical properties.

**Processing/Physical Characteristics**

	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Molding shrinkage, parallel	2.2 / *	%	ISO 294-4, 2577
<sup>[C]</sup> Molding shrinkage, normal	2.0 / *	%	ISO 294-4, 2577

[C]: CAMPUS

**Mechanical properties**

	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	2400 / 1800	MPa	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	N / N	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy impact strength, -30°C	N / N	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	3.2 / 4.7	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	3 / 3.6	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

**Thermal properties**

	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	218 / *	°C	ISO 11357-1/-3
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	64 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	151 / *	°C	ISO 75-1/-2

[C]: CAMPUS

**Electrical properties**

	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Electric strength	30 / 31	kV/mm	IEC 60243-1

[C]: CAMPUS

**Other properties**

	dry / cond	Unit	Test Standard
<sup>[C]</sup> Water absorption	0.37 / *	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	1.3 / *	%	Sim. to ISO 62
<sup>[C]</sup> Density	1070 / -	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics****Processing**

Injection Molding

**Features**

Nucleated

**Delivery form**

Pellets, Natural Color

**Chemical Resistance**

General Chemical Resistance

**Additives**

Lubricants

**Regional Availability**

North America, Europe, Asia Pacific