

**Product Texts**

Injection Molding, High Flow, Easy Molding Grade, Lubricated, Nucleated

ISO 1043 PA6

Good and fast flow-ability. Easy mold release. Smooth surface appearance. Ideal for injection molding.

<b>Processing/Physical Characteristics</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	56 / *	cm <sup>3</sup> /10min	ISO 1133
Temperature	230 / *	°C	-
Load	2.16 / *	kg	-

[C]: CAMPUS

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	3100 / 1700	MPa	ISO 527
<sup>[C]</sup> Yield stress	85 / 54	MPa	ISO 527
<sup>[C]</sup> Yield strain	4.2 / 21	%	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	4.8 / 16	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	3 / 3	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	61 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	150 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	70 / *	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	80 / *	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.	V-2 / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-
Yellow Card available	yes / *	-	-
<sup>[C]</sup> Burning Behav. at thickness h	V-2 / *	class	IEC 60695-11-10
Thickness tested	3.0 / *	mm	-
Yellow Card available	yes / *	-	-

[C]: CAMPUS

<b>Electrical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Relative permittivity, 100Hz	4 / -	-	IEC 62631-2-1
<sup>[C]</sup> Relative permittivity, 1MHz	4 / -	-	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 100Hz	110 / -	E-4	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 1MHz	230 / -	E-4	IEC 62631-2-1
<sup>[C]</sup> Volume resistivity	>1E13 / -	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Surface resistivity	* / 2E14	Ohm	IEC 62631-3-2
<sup>[C]</sup> Electric strength	27 / -	kV/mm	IEC 60243-1
<sup>[C]</sup> Comparative tracking index	600 / -	-	IEC 60112

[C]: CAMPUS

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<sup>[C]</sup> Humidity absorption	2.8 / *	%	Sim. to ISO 62
<sup>[C]</sup> Density	1130 / -	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Novamid® 1010C2**

PA6

Envalior

Material specific properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Viscosity number	118 / *	cm <sup>3</sup> /g	ISO 307, 1157, 1628

[C]: CAMPUS

**Characteristics****Processing**

Injection Molding

**Additives**

Lubricants, Release agent

**Delivery form**

Pellets

**Regional Availability**

Asia Pacific

**Other text information****Injection molding**[Injection Molding Recommendations](#)[Steel recommendations for molds screws and barrels](#)[Trouble shooting guideline for injection molding](#)