

**Product Texts**

Low Viscosity, Neat resin, Food Contact Quality

ISO 1043 PA6

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Density of melt	960	kg/m <sup>3</sup>	-
<sup>[C]</sup> Thermal conductivity of melt	0.23	W/(m K)	-
<sup>[C]</sup> Spec. heat capacity of melt	2680	J/(kg K)	-
<sup>[C]</sup> Eff. thermal diffusivity	8.82E-8	m <sup>2</sup> /s	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	2700 / -	MPa	ISO 527
<sup>[C]</sup> Yield stress	80 / -	MPa	ISO 527
<sup>[C]</sup> Yield strain	4.2 / -	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	N / -	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	5 / -	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	220 / *	°C	ISO 11357-1/-3

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
<sup>[C]</sup> Water absorption	9.5 / *	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	2.5 / *	%	Sim. to ISO 62
<sup>[C]</sup> Density	1130 / -	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

Material specific properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Viscosity number	132 / *	cm <sup>3</sup> /g	ISO 307, 1157, 1628

[C]: CAMPUS

**Characteristics****Processing**

Injection Molding

**Certifications**

Food contact

**Delivery form**

Pellets

**Regional Availability**

Europe

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