

**Product Texts**

25% Mineral Reinforced, Flame Retardant (halogen free), High Flow

ISO 1043 PA6-MD25

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	25 / *	cm <sup>3</sup> /10min	ISO 1133
Temperature	250 / *	°C	-
Load	2.16 / *	kg	-
<sup>[C]</sup> Molding shrinkage, parallel	0.6 / *	%	ISO 294-4, 2577
<sup>[C]</sup> Molding shrinkage, normal	0.8 / *	%	ISO 294-4, 2577
<sup>[C]</sup> Density of melt	1170	kg/m <sup>3</sup>	-
<sup>[C]</sup> Thermal conductivity of melt	0.201	W/(m K)	-
<sup>[C]</sup> Spec. heat capacity of melt	2250	J/(kg K)	-
<sup>[C]</sup> Eff. thermal diffusivity	7.63E-8	m <sup>2</sup> /s	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	6200 / -	MPa	ISO 527
<sup>[C]</sup> Stress at break	65 / -	MPa	ISO 527
<sup>[C]</sup> Strain at break	1.8 / -	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	25 / 20	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy impact strength, -30°C	25 / -	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	2 / 2	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	2 / -	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
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	110 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	205 / *	°C	ISO 75-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Volume resistivity	>1E13 / -	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Surface resistivity	* / >1E15	Ohm	IEC 62631-3-2
<sup>[C]</sup> Comparative tracking index	* / 600	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
<sup>[C]</sup> Water absorption	6.2 / *	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	1.8 / *	%	Sim. to ISO 62
<sup>[C]</sup> Density	1380 / -	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Flame retardant, Halogen-free, Heat stabilized or stable to heat

**Delivery form**

Pellets

**Regional Availability**

Europe, Asia Pacific

**Additives**

Release agent

**Other text information**

**Injection molding**

[Injection Molding Recommendations](#)