

**Product Texts**

Polyamide 6, 30% glass fiber reinforced, heat-aging stabilized, UV-stabilized, impact modified, for injection moulding

**Processing/Physical Characteristics**

dry / cond

Unit

Test Standard

**ISO Data**

	dry / cond	Unit	Test Standard
Melt volume-flow rate, MVR	25 / *	cm <sup>3</sup> /10min	ISO 1133
Load	5 / *	kg	-
<sup>[C]</sup> Molding shrinkage, parallel	0.5 / *	%	ISO 294-4, 2577
<sup>[C]</sup> Molding shrinkage, normal	1.0 / *	%	ISO 294-4, 2577

[C]: CAMPUS

**Mechanical properties**

dry / cond

Unit

Test Standard

**ISO Data**

	dry / cond	Unit	Test Standard
<sup>[C]</sup> Tensile Modulus	8600 / 5500	MPa	ISO 527
<sup>[C]</sup> Stress at break	140 / 100	MPa	ISO 527
<sup>[C]</sup> Strain at break	4.5 / 7	%	ISO 527
Flexural modulus, 23°C	7700 / 4700	MPa	ISO 178
Flexural strength	230 / 135	MPa	ISO 178
<sup>[C]</sup> Charpy impact strength, +23°C	100 / 120	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	22 / 38	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

**Thermal properties**

dry / cond

Unit

Test Standard

**ISO Data**

	dry / cond	Unit	Test Standard
<sup>[C]</sup> Melting temperature, 10°C/min	221 / *	°C	ISO 11357-1/-3
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	195 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	210 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	205 / *	°C	ISO 306
<sup>[C]</sup> Burning Behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-

[C]: CAMPUS

**Electrical properties**

dry / cond

Unit

Test Standard

**ISO Data**

	dry / cond	Unit	Test Standard
<sup>[C]</sup> Volume resistivity	1E13 / -	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Surface resistivity	* / 1E13	Ohm	IEC 62631-3-2

[C]: CAMPUS

**Other properties**

dry / cond

Unit

Test Standard

	dry / cond	Unit	Test Standard
<sup>[C]</sup> Density	1320 / -	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Material specific properties**

dry / cond

Unit

Test Standard

**ISO Data**

	dry / cond	Unit	Test Standard
Viscosity number	145 / *	cm <sup>3</sup> /g	ISO 307, 1157, 1628

**Characteristics****Processing**

Injection Molding

**Delivery form**

Natural Color

**Special Characteristics**

High impact or impact modified, U.V. stabilized or stable to weather, Heat stabilized or stable to heat