

Product Texts

Polyamide 6, 40% mineral filler, heat-aging stabilized, for injection moulding

Processing/Physical Characteristics

dry / cond

Unit

Test Standard

ISO Data

^[C] Molding shrinkage, parallel	0.9 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.9 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties

dry / cond

Unit

Test Standard

ISO Data

^[C] Tensile Modulus	6400 / -	MPa	ISO 527
^[C] Stress at break	90 / -	MPa	ISO 527
^[C] Strain at break	8 / -	%	ISO 527
Flexural modulus, 23°C	6000 / -	MPa	ISO 178
Flexural strength	140 / -	MPa	ISO 178
^[C] Charpy impact strength, +23°C	90 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	5 / -	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties

dry / cond

Unit

Test Standard

ISO Data

^[C] Melting temperature, 10°C/min	221 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	100 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	195 / *	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	205 / *	°C	ISO 306
^[C] 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

^[C] Volume resistivity	1E13 / -	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E13	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties

dry / cond

Unit

Test Standard

^[C] Density	1460 / -	kg/m ³	ISO 1183
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[C]: CAMPUS

Material specific properties

dry / cond

Unit

Test Standard

ISO Data

Viscosity number	145 / *	cm ³ /g	ISO 307, 1157, 1628
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Characteristics**Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Natural Color