

Product Texts

Polyamide 6, 15% glass fiber reinforced, heat-aging stabilized, low temperature impact modified, for injection moulding

Processing/Physical Characteristics

dry / cond

Unit

Test Standard

ISO Data

^[C] Molding shrinkage, parallel	0.8 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.8 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties

dry / cond

Unit

Test Standard

ISO Data

^[C] Tensile Modulus	4600 / 2300	MPa	ISO 527
^[C] Stress at break	85 / 50	MPa	ISO 527
^[C] Strain at break	4.5 / 20	%	ISO 527
Flexural modulus, 23°C	3600 / 2100	MPa	ISO 178
^[C] Charpy impact strength, +23°C	70 / 95	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	75 / 70	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	18 / 30	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	11 / 12	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	165 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	205 / *	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	190 / *	°C	ISO 306

[C]: CAMPUS

Other properties

dry / cond

Unit

Test Standard

^[C] Density	1180 / -	kg/m ³	ISO 1183
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[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat