

Product Texts

Polyamide 6, 20% glass fiber reinforced, heat-aging stabilized, low temperature impact modified, for injection molding, black

Processing/Physical Characteristics

dry / cond

Unit

Test Standard

ISO Data

^[C] Molding shrinkage, parallel	0.3 / *	%	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	6000 / 3000	MPa	ISO 527
^[C] Yield stress	110 / 70	MPa	ISO 527
^[C] Yield strain	3.5 / 9	%	ISO 527
Flexural modulus, 23°C	5000 / 2500	MPa	ISO 178
Flexural strength	180 / 95	MPa	ISO 178
^[C] Charpy impact strength, +23°C	75 / 100	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	85 / 85	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	22 / 35	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	13 / 13	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] Burning rate, FMVSS, Thickness 1 mm	100	mm/min	ISO 3795 (FMVSS 302)

[C]: CAMPUS

Other properties

dry / cond

Unit

Test Standard

^[C] Density	1220 / -	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