

Product Texts

Polyamide 6, 15% glass fiber reinforced, heat-aging stabilized, for injection moulding, black

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.5 / *	%	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 / 3200	MPa	ISO 527
^[C] Stress at break	120 / 70	MPa	ISO 527
^[C] Strain at break	2.5 / 12	%	ISO 527
Flexural modulus, 23°C	4800 / 2800	MPa	ISO 178
Flexural strength	185 / 100	MPa	ISO 178
^[C] Charpy impact strength, +23°C	30 / 100	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	30 / 35	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	7 / 9.5	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	0.5 / 4.5	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	190 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	215 / *	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	210 / *	°C	ISO 306

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	1E13 / -	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E12	Ohm	IEC 62631-3-2
^[C] Comparative tracking index	450 / -	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Density	1240 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Black