

Product Texts

Polyamide 6, 40% glass fiber reinforced, heat-aging stabilized, improved flowability, for injection moulding, black

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.2 / *	%	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	12500 / 8000	MPa	ISO 527
^[C] Stress at break	200 / 140	MPa	ISO 527
^[C] Strain at break	3 / 5	%	ISO 527
Flexural modulus, 23°C	11500 / 7000	MPa	ISO 178
Flexural strength	300 / 210	MPa	ISO 178
^[C] Charpy impact strength, +23°C	90 / 105	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	85 / 100	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	15 / 24	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	11 / 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] Temp. of deflection under load, 1.80 MPa	210 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	220 / *	°C	ISO 75-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	>1E13 / -	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E14	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Density	1450 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Material specific properties	dry / cond	Unit	Test Standard
ISO Data			
Viscosity number	125 / *	cm ³ /g	ISO 307, 1157, 1628

Characteristics**Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Black