

Product Texts

Polyamide 6, 30% glass fiber reinforced, halogen and red phosphorus free flame retardant, heat-aging stabilized, for injection moulding, 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	0.7 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	11000 / 7000	MPa	ISO 527
^[C] Stress at break	140 / 95	MPa	ISO 527
^[C] Strain at break	2.5 / 3.5	%	ISO 527
Flexural modulus, 23°C	10000 / 6500	MPa	ISO 178
Flexural strength	210 / 140	MPa	ISO 178
^[C] Charpy impact strength, +23°C	50 / 55	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	45 / 45	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	8 / 11	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	7 / 8	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	205 / *	°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] Burning Behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
^[C] Burning Behav. at thickness h	V-0 / *	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	* / 1E14	Ohm	IEC 62631-3-2
^[C] Electric strength	31 / -	kV/mm	IEC 60243-1
^[C] Comparative tracking index	600 / -	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Density	1420 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Material specific properties	dry / cond	Unit	Test Standard
ISO Data			
Viscosity number	145 / *	cm ³ /g	ISO 307, 1157, 1628

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, Halogen-free, Phosphorus-free, Heat stabilized or stable to heat

Delivery form

Black