

Product Texts

Designed for engineering applications requiring a maximum service temperature higher than that of standard polyamides. The most relevant characteristics are: High stiffness and strength at elevated temperatures, excellent creep behavior, small influence on mechanical properties after moisture uptake, good dimensional stability and low warpage. XT4 grades show an easier processability compared with other PPAs.

Flammability @3.2mm nom. thickn.	HB	-
Flammability @1.6mm nom. thickn.	HB	-
Flammability @0.8mm nom. thickn.	HB	-
Flammability @0.4mm nom. thickn.	HB	-

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	13000 / 12800	MPa	ISO 527
^[C] Stress at break	185 / -	MPa	ISO 527
^[C] Strain at break	1.8 / -	%	ISO 527
^[C] Charpy impact strength, +23°C	40 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	35 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	9 / -	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	8 / -	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	295 / *	°C	ISO 75-1/-2
^[C] Burning Behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Electric strength	21 / -	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Humidity absorption	0.6 / *	%	Sim. to ISO 62
^[C] Density	- / 1470	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Delivery form

Black

Features

Creep Resistance, Low Warpage

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

Europe