

Product Texts

Intended for engineering applications that require a maximum service temperature higher than that of normal aliphatic polyamides. In addition to the outstanding thermal and chemical resistance, it provides high and constant mechanical performance, unaltered even after moisture absorption. Excellent creep behavior and dimensional stability. Suitable for drinking water applications.

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

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.2 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.4 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	18500 / 18500	MPa	ISO 527
^[C] Stress at break	260 / 250	MPa	ISO 527
^[C] Strain at break	1.95 / 2	%	ISO 527
^[C] Charpy impact strength, +23°C	80 / 110	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	80 / 90	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	9.5 / 12.5	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	8.5 / 15	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	280 / *	°C	ISO 75-1/-2
Thickness tested	1.6 / *	mm	-

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	1E13 / -	Ohm*m	IEC 62631-3-1
^[C] Electric strength	22 / -	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	2.9 / *	%	Sim. to ISO 62
^[C] Humidity absorption	1 / *	%	Sim. to ISO 62
^[C] Density	- / 1640	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Delivery form

Black

Chemical Resistance

General Chemical Resistance

Special Characteristics

Heat stabilized or stable to heat

Certifications

Drinking water contact

Features

Creep Resistance

Regional Availability

North America, Europe, Asia Pacific