

Product Texts

Heat Stabilized, Lubricated

ISO 1043 (PA46+PA6)

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	3100 / 700	MPa	ISO 527
^[C] Yield stress	90 / 45	MPa	ISO 527
^[C] Yield strain	5 / 30	%	ISO 527
^[C] Nominal strain at break	25 / -	%	ISO 527
^[C] Charpy impact strength, +23°C	N / N	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	5 / 3	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	290 / *	°C	ISO 11357-1/-3
^[C] Glass transition temperature, 10°C/min	75 / *	°C	ISO 11357-1/-2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Density	1160 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 105	°C	-
Pre-drying - Time	2 - 24	h	-
Processing humidity	≤0.5	%	-
Melt temperature	310 - 320	°C	-
Mold temperature	80 - 120	°C	-
Zone 1	280 - 320	°C	-
Zone 2	300 - 320	°C	-
Zone 3	300 - 320	°C	-
Nozzle temperature	300 - 320	°C	-

Characteristics

Processing

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Pellets

Regional Availability

North America, Europe, Asia Pacific

Additives

Lubricants

Other text information

Injection molding

[Injection Molding Recommendations](#)

[Steel recommendations for molds screws and barrels](#)

[Trouble shooting guideline for injection molding](#)