

Product Texts

30% Glass Reinforced, Heat Stabilized, High Flow

ISO 1043 PA6-GF30

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	1.1 / *	%	ISO 294-4, 2577
^[C] Density of melt	1120	kg/m ³	-
^[C] Thermal conductivity of melt	0.27	W/(m K)	-
^[C] Spec. heat capacity of melt	2250	J/(kg K)	-
^[C] Eff. thermal diffusivity	1.08E-7	m ² /s	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	9500 / 5700	MPa	ISO 527
^[C] Stress at break	170 / 105	MPa	ISO 527
^[C] Strain at break	3.5 / 7	%	ISO 527
^[C] Charpy impact strength, +23°C	85 / 90	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	65 / 65	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	14 / 22	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	10 / 10	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	220 / *	°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] Coeff. of linear therm. expansion, parallel	20 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	70 / *	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	6 / *	%	Sim. to ISO 62
^[C] Humidity absorption	1.8 / *	%	Sim. to ISO 62
^[C] Density	1350 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Pellets

Regional Availability

North America, Asia Pacific

Other text information**Injection molding**[Injection Molding Recommendations](#)