

Product Texts

8% Glass Reinforced, Impact Modified

ISO 1043 PA6-I-GF8

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	23 / *	cm ³ /10min	ISO 1133
Temperature	275 / *	°C	-
Load	2.16 / *	kg	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	3700 / 1900	MPa	ISO 527
^[C] Stress at break	85 / 50	MPa	ISO 527
^[C] Strain at break	5.5 / 15	%	ISO 527
^[C] Charpy impact strength, +23°C	65 / 80	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	15 / 22	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	4 / 4	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	125 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	200 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	30 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	80 / *	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	7.6 / *	%	Sim. to ISO 62
^[C] Humidity absorption	2.2 / *	%	Sim. to ISO 62
^[C] Density	1150 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Special Characteristics

High impact or impact modified

Delivery form

Pellets

Regional Availability

North America, Europe

Additives

Release agent

Other text information**Injection molding**[Injection Molding Recommendations](#)[Steel recommendations for molds screws and barrels](#)[Trouble shooting guideline for injection molding](#)