

Product Texts

35% Glass Reinforced, Impact Modified, Heat Stabilized

ISO 1043 PA6-I-GF35

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.4 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.8 / *	%	ISO 294-4, 2577
^[C] Density of melt	1280	kg/m ³	-
^[C] Thermal conductivity of melt	0.3	W/(m K)	-
^[C] Spec. heat capacity of melt	2010	J/(kg K)	-
^[C] Eff. thermal diffusivity	1.15E-7	m ² /s	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	10100 / 6500	MPa	ISO 527
^[C] Stress at break	160 / 110	MPa	ISO 527
^[C] Strain at break	4.5 / 7	%	ISO 527
^[C] Charpy impact strength, +23°C	95 / 105	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	100 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	24 / 35	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	16 / 17	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	200 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	215 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	15 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	160 / *	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	1E13 / 1E11	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E14	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	5 / *	%	Sim. to ISO 62
^[C] Humidity absorption	1.5 / *	%	Sim. to ISO 62
^[C] Density	1370 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific

Other text information

Injection molding

[Injection Molding Recommendations](#)

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

[Trouble shooting guideline for injection molding](#)