

Product Texts

15% Glass Reinforced, Injection Molding

ISO 1043 PA6-GF15

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	18 / *	cm ³ /10min	ISO 1133
Temperature	250 / *	°C	-
Load	2.16 / *	kg	-
^[C] Molding shrinkage, parallel	0.4 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	1.3 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	5800 / 3300	MPa	ISO 527
^[C] Stress at break	130 / 75	MPa	ISO 527
^[C] Strain at break	2.7 / 8.7	%	ISO 527
^[C] Charpy impact strength, +23°C	39 / 105	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	6 / 14	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	194 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	216 / *	°C	ISO 75-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Relative permittivity, 100Hz	4 / -	-	IEC 62631-2-1
^[C] Relative permittivity, 1MHz	4 / -	-	IEC 62631-2-1
^[C] Dissipation factor, 100Hz	130 / -	E-4	IEC 62631-2-1
^[C] Dissipation factor, 1MHz	230 / -	E-4	IEC 62631-2-1
^[C] Volume resistivity	6E12 / -	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 8E13	Ohm	IEC 62631-3-2
^[C] Electric strength	27 / -	kV/mm	IEC 60243-1
^[C] Comparative tracking index	400 / -	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Humidity absorption	2.4 / *	%	Sim. to ISO 62
^[C] Density	1230 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Additives

Release agent

Delivery form

Pellets

Regional Availability

Asia Pacific

Other text information

Injection molding

[Injection Molding Recommendations](#)

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

[Trouble shooting guideline for injection molding](#)