

Product Texts

30% Glass Reinforced, Impact Modified

ISO 1043 PA6-I-(GF+CF)40

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Density of melt	1110	kg/m ³	-
^[C] Thermal conductivity of melt	0.28	W/(m K)	-
^[C] Spec. heat capacity of melt	2830	J/(kg K)	-
^[C] Eff. thermal diffusivity	8.99E-8	m ² /s	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	15000 / -	MPa	ISO 527
^[C] Stress at break	170 / -	MPa	ISO 527
^[C] Strain at break	3.3 / -	%	ISO 527
^[C] Charpy impact strength, +23°C	78 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	79 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	21 / -	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	14 / -	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Surface resistivity	* / 4800	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Density	1400 / -	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

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