

Product Texts

40% Glass Reinforced

ISO 1043 PA6-GF40

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	12500 / -	MPa	ISO 527
^[C] Stress at break	190 / -	MPa	ISO 527
^[C] Strain at break	2.8 / -	%	ISO 527
^[C] Charpy impact strength, +23°C	80 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	15 / -	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	50 / *	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Relative permittivity, 100Hz	3.5 / -	-	IEC 62631-2-1
^[C] Relative permittivity, 1MHz	3.3 / -	-	IEC 62631-2-1
^[C] Dissipation factor, 100Hz	50 / -	E-4	IEC 62631-2-1
^[C] Dissipation factor, 1MHz	150 / -	E-4	IEC 62631-2-1
^[C] Volume resistivity	>1E13 / -	Ohm*m	IEC 62631-3-1
^[C] Comparative tracking index	500 / -	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	5.5 / *	%	Sim. to ISO 62
^[C] Humidity absorption	1.7 / *	%	Sim. to ISO 62
^[C] Density	1450 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Regional Availability**

Asia Pacific

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