

Product Texts

15% Carbon Reinforced

ISO 1043 PA46-CF15

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	13000 / -	MPa	ISO 527
^[C] Stress at break	200 / 120	MPa	ISO 527
^[C] Strain at break	2.3 / 4	%	ISO 527
^[C] Charpy notched impact strength, +23°C	5.5 / -	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	295 / *	°C	ISO 11357-1/-3
^[C] Glass transition temperature, 10°C/min	75 / *	°C	ISO 11357-1/-2
^[C] Temp. of deflection under load, 1.80 MPa	290 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	25 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	50 / *	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	11.5 / *	%	Sim. to ISO 62
^[C] Humidity absorption	3.2 / *	%	Sim. to ISO 62
^[C] Density	1230 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Regional Availability

Asia Pacific

Additives

Lubricants

Other text information**Injection molding**[Injection Molding Recommendations](#)[Hot runner recommendations for molding high heat performance Engineering Materials](#)[Steel recommendations for molds screws and barrels](#)[Supporting document for Stanyl quality processing](#)[Trouble shooting guideline for injection molding](#)