

Product Texts

Glass Reinforced, Heat Stabilized, Impact Modified

ISO 1043 PA46-I-GF8

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	3700 / -	MPa	ISO 527
^[C] Stress at break	95 / -	MPa	ISO 527
^[C] Strain at break	10 / -	%	ISO 527
^[C] Charpy notched impact strength, +23°C	12 / -	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	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]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	11.5 / *	%	Sim. to ISO 62
^[C] Humidity absorption	3 / *	%	Sim. to ISO 62
^[C] Density	1180 / -	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

Asia Pacific

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](#)