

Product Texts

25% Glass Reinforced, Heat Stabilized

ISO 1043 PA46-GF25

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	8900	MPa	ISO 527
^[C] Stress at break	190	MPa	ISO 527
^[C] Strain at break	3.5	%	ISO 527
^[C] Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	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	Value	Unit	Test Standard
^[C] Density	1360	kg/m ³	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 105	°C	-
Pre-drying - Time	2 - 24	h	-
Processing humidity	≤0.5	%	-
Melt temperature	305 - 320	°C	-
Mold temperature	80 - 120	°C	-
Zone 1	280 - 320	°C	-
Zone 2	300 - 320	°C	-
Zone 3	300 - 320	°C	-
Nozzle temperature	300 - 320	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Heat stabilized or stable to heat

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