

Product Texts

35% Glass Reinforced, Low Outgassing, Thermal conductive material

ISO 1043 PET-GF35

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	14000	MPa	ISO 527
^[C] Stress at break	150	MPa	ISO 527
^[C] Strain at break	1.5	%	ISO 527
^[C] Charpy impact strength, +23°C	40	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	7	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	255	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	235	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	250	°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	40	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	3E11	Ohm*m	IEC 62631-3-1
^[C] Electric strength	1.1	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Water absorption	0.45	%	Sim. to ISO 62
^[C] Humidity absorption	0.18	%	Sim. to ISO 62
^[C] Density	1670	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Delivery form

Pellets

Additives

Release agent

Special Characteristics

Thermally Conductive

Regional Availability

Europe

Other text information

Injection molding

[Injection Molding Recommendations](#)

[Steel recommendations for molds screws and barrels](#)

[Supporting document for Stanyl quality processing](#)