Stanyl® TE200S6

PA46-GB30 Envalior

Product Texts

30% Glass Beads Reinforced, Heat Stabilized, Low Warpage

ISO 1043 PA46-GB30

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**4700 / 2400**	MPa	ISO 527
[C] Stress at break	**90 / 60**	MPa	ISO 527
[C] Strain at break	**4.5 / 14**	%	ISO 527

[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	**235 / ***	°C	ISO 75-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Relative permittivity, 100Hz	**4.4 / 12**	-	IEC 62631-2-1
[C] Relative permittivity, 1MHz	**4 / 4.6**	-	IEC 62631-2-1
[C] Dissipation factor, 100Hz	**80 / 1500**	E-4	IEC 62631-2-1
[C] Dissipation factor, 1MHz	**230 / 900**	E-4	IEC 62631-2-1
[C] Volume resistivity	**1E13 / 1E9**	Ohm*m	IEC 62631-3-1
[C] Surface resistivity	*** / 1E14**	Ohm	IEC 62631-3-2
[C] Electric strength	**35 / 25**	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Water absorption	**9.5 / ***	%	Sim. to ISO 62
[C] Humidity absorption	**2.6 / ***	%	Sim. to ISO 62
[C] Density	**1410 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Material specific properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Viscosity number	**145 / ***	cm³/g	ISO 307, 1157, 1628

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Special Characteristics
Heat stabilized or stable to heat

Delivery form
Pellets

Regional Availability
Europe

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