

Stanyl® TQ300F5

PA46-GF25

25% Glass Reinforced, Heat Stabilized

Properties	Typical Data	Unit	Test Method
Rheological properties			
	dry / cond		
Molding shrinkage (parallel)	0.5 / *	%	ISO 294-4
Molding shrinkage (normal)	1.4 / *	%	ISO 294-4
Mechanical properties			
	dry / cond		
Tensile modulus	8700 / -	MPa	ISO 527-1/-2
Stress at break	185 / -	MPa	ISO 527-1/-2
Strain at break	4 / -	%	ISO 527-1/-2
Izod notched impact strength (+23°C)	10 / -	kJ/m ²	ISO 180/1A
Thermal properties			
	dry / cond		
Melting temperature (10°C/min)	295 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	290 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	290 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.25 / *	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.6 / *	E-4/°C	ISO 11359-1/-2
Electrical properties			
	dry / cond		
Volume resistivity	>1E13 / -	Ohm*m	IEC 60093
Other properties			
	dry / cond		
Humidity absorption	2.8 / *	%	Sim. to ISO 62
Density	1370 / -	kg/m ³	ISO 1183

