

Stanyl® TQ300F5

PA46-GF25

25% Glass Reinforced, Heat Stabilized

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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

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