

Stanyl® TW241F5

PA46-GF25

Heat Stabilized, 25% Glass Reinforced, Lubricated

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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)	1.3 / *	%	ISO 294-4
Mechanical properties			
	dry / cond		
Tensile modulus	9000 / -	MPa	ISO 527-1/-2
Stress at break	180 / -	MPa	ISO 527-1/-2
Strain at break	3 / -	%	ISO 527-1/-2
Flexural modulus	7500 / -	MPa	ISO 178
Flexural strength	270 / -	MPa	ISO 178
Charpy notched impact strength (+23°C)	8 / -	kJ/m ²	ISO 179/1eA
Thermal properties			
	dry / cond		
Melting temperature (10°C/min)	295 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	280 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.3 / *	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.5 / *	E-4/°C	ISO 11359-1/-2
Other properties			
	dry / cond		
Humidity absorption	2.8 / *	%	Sim. to ISO 62
Density	1350 / -	kg/m ³	ISO 1183