

Stanyl® TW271F8

(PA46+PTFE)-GF40

40% Glass Reinforced, Heat Stabilized, Wear and Friction Modified

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Properties	Typical Data	Unit	Test Method
Rheological properties			
	dry / cond		
Molding shrinkage [parallel]	0.6 / *	%	Sim. to ISO 294-4
Molding shrinkage [normal]	1.1 / *	%	Sim. to ISO 294-4
Mechanical properties			
	dry / cond		
Tensile modulus	13000 / -	MPa	ISO 527-1/-2
Stress at break	210 / -	MPa	ISO 527-1/-2
Strain at break	3 / -	%	ISO 527-1/-2
Flexural modulus	11500 / -	MPa	ISO 178
Charpy notched impact strength (+23°C)	14 / -	kJ/m ²	ISO 179/1eA
Izod notched impact strength (+23°C)	14 / -	kJ/m ²	ISO 180/1A
Thermal properties			
	dry / cond		
Melting temperature (10°C/min)	290 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	285 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	285 / *	°C	ISO 75-1/-2
Other properties			
	dry / cond		
Density	1630 / -	kg/m ³	ISO 1183