

Stanyl® TW271F8

(PA46+PTFE)—GF40

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

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
Flexural strength	300 / –	MPa	ISO 178
Charpy notched impact strength (+23°C)	14 / –	kJ/m²	ISO 179/1eA
Izod notched impact strength (+23°C)	14 / –	kJ/m²	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/m³	ISO 1183

