


**Stanyl® TW271F8**

(PA46+PTFE)-GF40

DSM Engineering Plastics

**Product Texts**

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

ISO 1043 (PA46+PTFE)-GF40

[Stanyl website](#)

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
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
Charpy notched impact strength (+23°C)	14 / -	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature (10°C/min)	290 / *	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	75 / *	°C	ISO 11357-1/-2
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
Vicat softening temperature, 50°C/h 50N	285 / *	°C	ISO 306
<b>Other properties</b>			
<b>ISO Data</b>			
Density	1630 / -	kg/m <sup>3</sup>	ISO 1183
<b>Material specific properties</b>			
<b>ISO Data</b>			
Viscosity number	145 / *	cm <sup>3</sup> /g	ISO 307, 1157, 1628

**Characteristics**
**Processing**

Injection Molding

**Special Characteristics**

Platable, Heat stabilized or stable to heat

**Delivery form**

Pellets

**Other text information**
**Injection Molding**
[Injection Molding Recommendations](#)