

**Stanyl® TW241F5**

PA46-GF25

DSM Engineering Plastics

Product Texts

Heat Stabilized, 25% Glass Reinforced, Lubricated

ISO 1043 PA46-GF25

[Stanyl website](#)

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
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
Charpy notched impact strength (+23°C)	8 / -	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature (10°C/min)	295 / *	°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)	280 / *	°C	ISO 75-1/-2

Other properties	dry / cond	Unit	Test Standard
ISO Data			
Water absorption	10.1 / *	%	Sim. to ISO 62
Humidity absorption	2.8 / *	%	Sim. to ISO 62
Density	1350 / -	kg/m ³	ISO 1183

Material specific properties	dry / cond	Unit	Test Standard
ISO Data			
Viscosity number	145 / *	cm ³ /g	ISO 307, 1157, 1628

Characteristics**Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Additives

Lubricants, Release agent

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