


Stanyl® TW200B6

PA46-CF30

DSM Engineering Plastics

Product Texts

30% Carbon Reinforced, Heat Stabilized, Lubricated

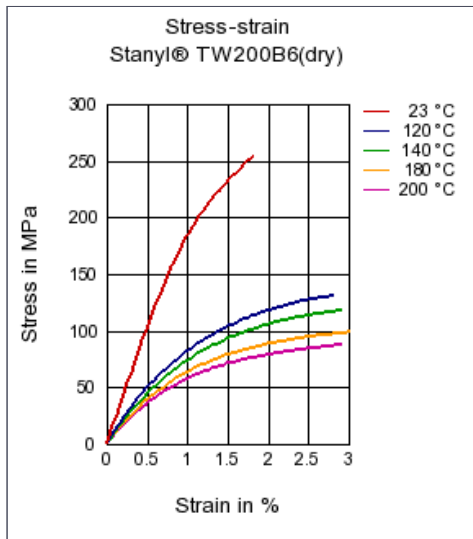
ISO 1043 PA46-CF30

[Stanyl website](#)

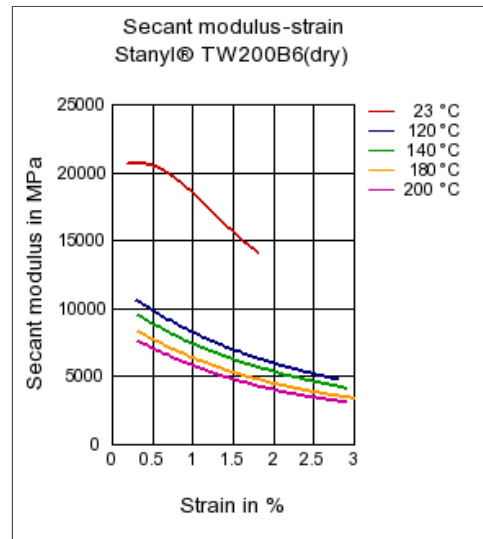
Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.9 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	24000 / -	MPa	ISO 527-1/-2
Stress at break	240 / 150	MPa	ISO 527-1/-2
Strain at break	2 / 4	%	ISO 527-1/-2
Charpy impact strength (+23°C)	60 / 75	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	50 / 50	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	8 / 14	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	6.5 / 6.5	kJ/m ²	ISO 179/1eA
Thermal properties			
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)	290 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	8 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	34 / *	E-6/K	ISO 11359-1/-2
Electrical properties			
ISO Data			
Volume resistivity	1 / -	Ohm*m	IEC 60093
Other properties			
ISO Data			
Water absorption	9.5 / *	%	Sim. to ISO 62
Humidity absorption	2.6 / *	%	Sim. to ISO 62
Density	1280 / -	kg/m ³	ISO 1183

Diagrams

Stress-strain



Secant modulus-strain



Characteristics

Processing

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Other text information

Injection Molding

[Injection Molding Recommendations](#)