

**Stanyl® TW200B6**

PA46-CF30

DSM Engineering Plastics

Product Texts

30% Carbon Reinforced, Heat Stabilized, Lubricated

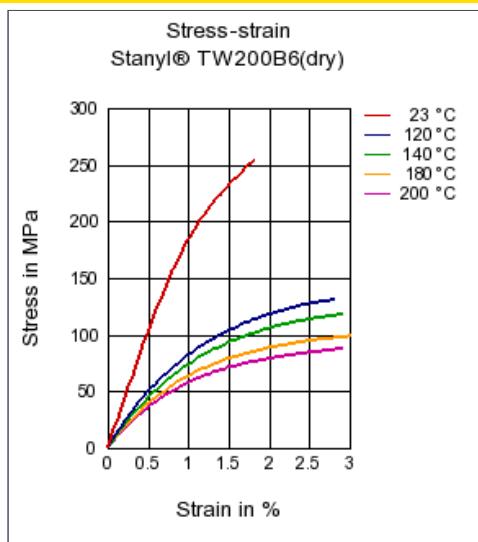
ISO 1043 PA46-CF30

[Stanyl website](#)

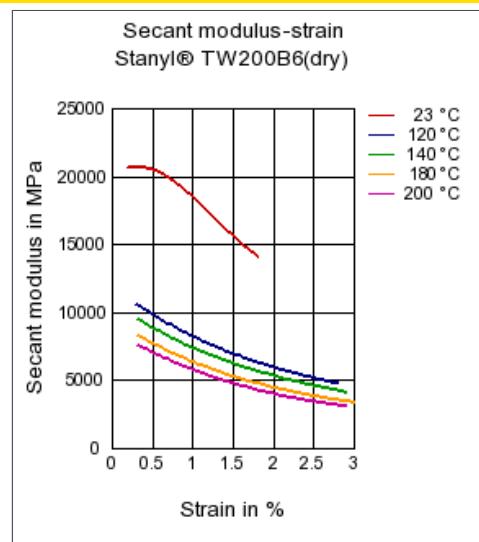
| Rheological properties | dry / cond | Unit | Test Standard |
|-------------------------------|---|-------------------|----------------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.2 / * | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.9 / * | % | ISO 294-4, 2577 |
| Mechanical properties | | | |
| ISO Data | dry / cond | Unit | Test Standard |
| | Tensile Modulus | 24000 / - | MPa |
| | Stress at break | 240 / 150 | MPa |
| | Strain at break | 2 / 4 | % |
| | Charpy impact strength (+23°C) | 60 / 75 | kJ/m ² |
| | Charpy impact strength, -30°C | 50 / 50 | kJ/m ² |
| | Charpy notched impact strength (+23°C) | 8 / 14 | kJ/m ² |
| | Charpy notched impact strength, -30°C | 6.5 / 6.5 | kJ/m ² |
| | | | |
| Thermal properties | | | |
| ISO Data | dry / cond | Unit | Test Standard |
| | Melting temperature (10°C/min) | 295 / * | °C |
| | Glass transition temperature, 10°C/min | 75 / * | °C |
| | Temp. of deflection under load (1.80 MPa) | 290 / * | °C |
| | Coeff. of linear therm. expansion, parallel | 8 / * | E-6/K |
| Electrical properties | | | |
| ISO Data | dry / cond | Unit | Test Standard |
| | Volume resistivity | 1 / - | Ohm*m |
| Other properties | | | |
| ISO Data | dry / cond | Unit | Test Standard |
| | Water absorption | 9.5 / * | % |
| | Humidity absorption | 2.6 / * | % |
| 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](#)