

Stanyl® TW200F6

PA46-GF30

30% Glass Reinforced, Heat Stabilized

Properties	Typical Data	Unit	Test Method
Rheological properties			
	dry / cond		
Molding shrinkage [parallel]	0.5/*	%	Sim. to ISO 294-4
Molding shrinkage [normal]	1.3/*	%	Sim. to ISO 294-4
Mechanical properties			
	dry / cond		
Tensile modulus	10000/6000	MPa	ISO 527-1/-2
Tensile modulus (120°C)	5500	MPa	ISO 527-1/-2
Tensile modulus (160°C)	5000	MPa	ISO 527-1/-2
Tensile modulus (180°C)	4400	MPa	ISO 527-1/-2
Tensile modulus (200°C)	4000	MPa	ISO 527-1/-2
Stress at break	210/115	MPa	ISO 527-1/-2
Stress at break (120°C)	110	MPa	ISO 527-1/-2
Stress at break (160°C)	100	MPa	ISO 527-1/-2
Stress at break (180°C)	95	MPa	ISO 527-1/-2
Stress at break (200°C)	90	MPa	ISO 527-1/-2
Strain at break	4/7	%	ISO 527-1/-2
Strain at break (120°C)	7.5	%	ISO 527-1/-2
Strain at break (160°C)	7.5	%	ISO 527-1/-2
Strain at break (180°C)	7.5	%	ISO 527-1/-2
Strain at break (200°C)	7.5	%	ISO 527-1/-2
Flexural modulus	9000/5500	MPa	ISO 178
Flexural modulus (120°C)	5500	MPa	ISO 178
Flexural modulus (160°C)	5000	MPa	ISO 178
Charpy impact strength (+23°C)	80/100	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	65/75	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	12/21	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	11/11	kJ/m ²	ISO 179/1eA
Izod notched impact strength (+23°C)	12/21	kJ/m ²	ISO 180/1A
Izod notched impact strength (-40°C)	11/11	kJ/m ²	ISO 180/1A

11.10.2013

All information supplied by or on behalf of DSM in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and, in good faith, believed reliable, but DSM assumes no liability and makes no warranties of any kind, express or implied, including, but not limited to, those of title, merchantability, fitness for a particular purpose or non-infringement or any warranty arising from a course of dealing, usage, or trade practice whatsoever in respect of application, processing or use made of the aforementioned information or product. The user assumes all responsibility for the use of all information provided and shall verify quality and other properties or any consequence from the use of all such information. Typical values are indicative only and are not to be construed as being binding specifications.

