

Stanyl® TW200F8

PA46-GF40

40% 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]	1.1/*	%	Sim. to ISO 294-4
Mechanical properties			
	dry / cond		
Tensile modulus	13000/8000	MPa	ISO 527-1/-2
Tensile modulus (120°C)	6900	MPa	ISO 527-1/-2
Tensile modulus (160°C)	6100	MPa	ISO 527-1/-2
Tensile modulus (180°C)	5700	MPa	ISO 527-1/-2
Tensile modulus (200°C)	5300	MPa	ISO 527-1/-2
Stress at break	230/140	MPa	ISO 527-1/-2
Stress at break (120°C)	130	MPa	ISO 527-1/-2
Stress at break (160°C)	115	MPa	ISO 527-1/-2
Stress at break (180°C)	105	MPa	ISO 527-1/-2
Stress at break (200°C)	100	MPa	ISO 527-1/-2
Strain at break	3/6	%	ISO 527-1/-2
Strain at break (120°C)	6.5	%	ISO 527-1/-2
Strain at break (160°C)	6.5	%	ISO 527-1/-2
Strain at break (180°C)	6.5	%	ISO 527-1/-2
Strain at break (200°C)	6.5	%	ISO 527-1/-2
Flexural modulus	11500/7000	MPa	ISO 178
Flexural modulus (120°C)	5800	MPa	ISO 178
Flexural modulus (160°C)	5200	MPa	ISO 178
Charpy impact strength (+23°C)	95/100	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	75/85	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	14/21	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	12/12	kJ/m ²	ISO 179/1eA
Izod notched impact strength (+23°C)	14/21	kJ/m ²	ISO 180/1A
Izod notched impact strength (-40°C)	12/12	kJ/m ²	ISO 180/1A

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