

Stanyl® TE200S6

PA46-GB30

30% Glass Beads Reinforced, Heat Stabilized, Low Warpage

Print Date: 2019-10-18

Properties	Typical Data	Unit	Test Method
Rheological properties			
	dry / cond		
Molding shrinkage [parallel]	1.3 / *	%	Sim. to ISO 294-4
Molding shrinkage [normal]	1.7 / *	%	Sim. to ISO 294-4
Mechanical properties			
	dry / cond		
Tensile modulus	4700 / 2400	MPa	ISO 527-1/-2
Tensile modulus (120°C)	1000 / -	MPa	ISO 527-1/-2
Tensile modulus (160°C)	900	MPa	ISO 527-1/-2
Tensile modulus (180°C)	800	MPa	ISO 527-1/-2
Tensile modulus (200°C)	740	MPa	ISO 527-1/-2
Stress at break	90 / 60	MPa	ISO 527-1/-2
Stress at break (120°C)	45 / -	MPa	ISO 527-1/-2
Stress at break (160°C)	35	MPa	ISO 527-1/-2
Stress at break (180°C)	32	MPa	ISO 527-1/-2
Stress at break (200°C)	30	MPa	ISO 527-1/-2
Strain at break	4.5 / 14	%	ISO 527-1/-2
Strain at break (120°C)	30 / -	%	ISO 527-1/-2
Strain at break (160°C)	29	%	ISO 527-1/-2
Strain at break (180°C)	28	%	ISO 527-1/-2
Strain at break (200°C)	27	%	ISO 527-1/-2
Izod notched impact strength (+23°C)	4 / 9	kJ/m ²	ISO 180/1A
Thermal properties			
	dry / cond		
Melting temperature (10°C/min)	295 / *	°C	ISO 11357-1/-3

Property Data

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Properties	Typical Data	Unit	Test Method
Temp. of deflection under load (1.80 MPa)	235 / *	°C	ISO 75-1/-2
Other properties	dry / cond		
Humidity absorption	2.6 / *	%	Sim. to ISO 62
Density	1410 / -	kg/m ³	ISO 1183