Stanyl®

Stanyl® TE200S6

PA46-GB30

30% Glass Beads Reinforced, Heat Stabilized, Low Warpage

Print Date: 2021-09-16

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/m²	ISO 180/1A
Thermal properties	dry / cond		
Melting temperature (10°C/min)	295 / *	°C	ISO 11357-1/-3

Property Data

Stanyl® TE200S6

Print Date: 2021-09-16

Properties	Typical Data	Unit	Test Method
Temp. of deflection under load (1.80 MPa)	235 / *	°C	ISO 75-1/-2
Electrical properties	dry / cond		
Volume resistivity	1E13 / 1E9	Ohm*m	IEC 62631-3-1
Electric strength	35 / 25	kV/mm	IEC 60243-1
Relative permittivity (100Hz)	4.4 / 12	-	IEC 62631-2-1
Relative permittivity (1 MHz)	4 / 4.6	-	IEC 62631-2-1
Relative permittivity (1GHz)	3.6 / -	-	IEC 60250
Other properties	dry / cond		
Humidity absorption	2.6 / *	%	Sim. to ISO 62
Density	1410 / -	kg/m³	ISO 1183