

Stanyl® TS250FK33

PA46-(GF+MF)30 FR(17)

30% Glass/Mineral Reinforced, Flame Retardant, Low Warpage

Print Date: 2018-12-13

Properties	Typical Data	Unit	Test Method
Rheological properties			
	dry / cond		
Molding shrinkage (parallel)	0.8 / *	%	ISO 294-4
Molding shrinkage (normal)	1.7 / *	%	ISO 294-4
Mechanical properties			
	dry / cond		
Tensile modulus	8000 / -	MPa	ISO 527-1/-2
Stress at break	120 / -	MPa	ISO 527-1/-2
Strain at break	2 / -	%	ISO 527-1/-2
Flexural modulus	7600 / -	MPa	ISO 178
Charpy notched impact strength (+23°C)	4 / -	kJ/m ²	ISO 179/1eA
Thermal properties			
	dry / cond		
Melting temperature (10°C/min)	295 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	280 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.2 / *	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.55 / *	E-4/°C	ISO 11359-1/-2
Burning Behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	0.75 / *	mm	IEC 60695-11-10
UL recognition	Yes / *	-	-
Electrical properties			
	dry / cond		
Volume resistivity	>1E13 / -	Ohm*m	IEC 60093
Electric strength	30 / -	kV/mm	IEC 60243-1
Relative permittivity (1 MHz)	4 / -	-	IEC 60250

Property Data

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Properties	Typical Data	Unit	Test Method
Other properties	dry / cond		
Humidity absorption	1.6 / *	%	Sim. to ISO 62
Density	1660 / -	kg/m ³	ISO 1183