

Stanyl® TE251F7

PA46-GF33 FR(17)

33% Glass Reinforced, Flame Retardant, for E&E applications

Properties	Typical Data	Unit	Test Method
Mechanical properties			
	dry / cond		
Tensile modulus	12500 / -	MPa	ISO 527-1/-2
Stress at break	200 / -	MPa	ISO 527-1/-2
Strain at break	2.5 / -	%	ISO 527-1/-2
Flexural modulus	11500 / -	MPa	ISO 178
Flexural strength	285 / -	MPa	ISO 178
Charpy impact strength (+23°C)	60 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	11 / -	kJ/m ²	ISO 179/1eA
Thermal properties			
	dry / cond		
Temp. of deflection under load (1.80 MPa)	270 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.25 / *	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.53 / *	E-4/°C	ISO 11359-1/-2
Burning Behav. at 3.0 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Thickness tested	3 / *	mm	IEC 60695-11-10
UL recognition	Yes / *	-	-
Relative Temperature Index - electrical	65	°C	UL746B
RTI electrical (Thickness (1) tested)	3.2	mm	UL746B
Electrical properties			
	dry / cond		
Comparative tracking index	200 / -	V	IEC 60112
Other properties			
	dry / cond		
Density	1620 / -	kg/m ³	ISO 1183

