

Stanyl[®] TE251F7

PA46–GF33 FR(17)

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

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
MECHANICAL PROPERTIES			
	<i>DRY / COND</i>		
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			
	<i>DRY / COND</i>		
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			
	<i>DRY / COND</i>		
Comparative tracking index	200 / –	V	IEC 60112
OTHER PROPERTIES			
	<i>DRY / COND</i>		
Density	1620 / –	kg/m ³	ISO 1183