

Stanyl® TS241B3

PA46-CF15

15% Carbon Reinforced, Lubricated

Properties	Typical Data	Unit	Test Method
Mechanical properties			
	dry / cond		
Tensile modulus	13000 / -	MPa	ISO 527-1/-2
Stress at break	185 / 110	MPa	ISO 527-1/-2
Strain at break	2 / 4	%	ISO 527-1/-2
Flexural modulus	10500 / 5800	MPa	ISO 178
Charpy notched impact strength (+23°C)	5 / -	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)	290 / *	°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)	0.5 / *	E-4/°C	ISO 11359-1/-2
Relative Temperature Index - electrical	65	°C	UL746B
RTI electrical (Thickness (1) tested)	0.8	mm	UL746B
Other properties			
	dry / cond		
Humidity absorption	3.15 / *	%	Sim. to ISO 62
Density	1220 / -	kg/m ³	ISO 1183

