

Stanyl[®] TS271P4

(PA46+PTFE)–MF20

20% Whisker Reinforced, Wear and Friction Modified

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
RHEOLOGICAL PROPERTIES			
	<i>DRY / COND</i>		
Molding shrinkage [parallel]	0.9 / *	%	Sim. to ISO 294–4
Molding shrinkage [normal]	0.9 / *	%	Sim. to ISO 294–4
MECHANICAL PROPERTIES			
	<i>DRY / COND</i>		
Tensile modulus	7000 / –	MPa	ISO 527–1/–2
Stress at break	110 / –	MPa	ISO 527–1/–2
Strain at break	3.5 / –	%	ISO 527–1/–2
Flexural modulus	6000 / –	MPa	ISO 178
Flexural strength	170 / –	MPa	ISO 178
Charpy notched impact strength (+23°C)	4 / –	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES			
	<i>DRY / COND</i>		
Melting temperature (10°C/min)	295 / *	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	250 / *	°C	ISO 75–1/–2
Relative Temperature Index – electrical	65	°C	UL746B
RTI electrical (Thickness (1) tested)	0.79	mm	UL746B
OTHER PROPERTIES			
	<i>DRY / COND</i>		
Humidity absorption	2.9 / *	%	Sim. to ISO 62
Density	1470 / –	kg/m ³	ISO 1183