

Stanyl® TS271P4

PA46-MF20

20% Whisker Reinforced, Wear and Friction Modified

Print Date: 2019-07-03

Properties	Typical Data	Unit	Test Method
Rheological properties			
	dry / cond		
Molding shrinkage [parallel]	0.9 / *	%	Sim. to ISO 294-4
Molding shrinkage [normal]	0.9 / *	%	Sim. to ISO 294-4
Mechanical properties			
	dry / cond		
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			
	dry / cond		
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
Burning Behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.79 / *	mm	IEC 60695-11-10
UL recognition	Yes / *	-	-
Relative Temperature Index – electrical	65	°C	UL746B
RTI electrical (Thickness (1) tested)	0.79	mm	UL746B
Other properties			
	dry / cond		
Humidity absorption	2.9 / *	%	Sim. to ISO 62
Density	1470 / -	kg/m ³	ISO 1183