

# Stanyl<sup>®</sup> TS271P4

(PA46+PTFE)–MF20

20% Whisker Reinforced, Wear and Friction Modified

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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/m²	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
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/m³	ISO 1183

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