

## Technical Datasheet PA46-TW371

**1) Product Description:**

Stanyl TW371 is a heat Stabilized, wear and friction modified PA46.

**2) Applications:**

Advanced engineering application such as auto parts.

**3) Typical data:**

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Molding shrinkage (parallel)	ISO 294-4	%	2 / *
Molding shrinkage (normal)	ISO 294-4	%	2 / *
Tensile modulus	ISO 527-1/-2	MPa	2900 / 1000
Yield stress	ISO 527-1/-2	MPa	90 / 50
Nominal strain at break	ISO 527-1/-2	%	25/ >50
Flexural modulus	ISO 178	MPa	2600 / 900
Charpy notched impact strength (+23°C)	ISO 179/1eA	kJ/m <sup>2</sup>	5 / 30
Izod notched impact strength (23°C)	ISO 180/1A	kJ/m <sup>2</sup>	5 / 30
Melting temperature (10°C/min)	ISO 11357-1/-3	°C	295 / *
Temp. of deflection under load (1.80 MPa)	ISO 75-1/-2	°C	190 / *
Coeff. of linear therm. expansion (parallel)	ISO 11359-1/-2	E-4/°C	0.8 / *
Coeff. of linear therm. expansion (normal)	ISO 11359-1/-2	E-4/°C	1 / *
Burning Behav. at 1.5 mm nom. thickn.	IEC 60695-11-10	class	HB / *
Thickness tested	IEC 60695-11-10	mm	1.5 / *
UL recognition	-	-	UL / *
Burning Behav. at thickness h	IEC 60695-11-10	class	HB / *
Thickness tested	IEC 60695-11-10	mm	3 / *
UL recognition	-	-	UL / *
Thermal Index 5000 hrs	IEC 60216/ISO 527-1/-2	°C	152
Volume resistivity	IEC 60093	Ohm*m	1E12 / 1E7
Comparative tracking index	IEC 60112	-	400 / 400
Humidity absorption	Sim. to ISO 62	%	3.2 / *
Density	ISO 1183	kg/m <sup>3</sup>	1250 / -

\* Typical values not to be construed as specifications.