

Stanyl® TW271F6J10

(PA46+PTFE)-GF30

30% Glass Reinforced, Heat Stabilized, Wear and Friction Modified

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Properties	Typical Data	Unit	Test Method
Mechanical properties			
	dry / cond		
Tensile modulus	10000 / 6000	MPa	ISO 527-1/-2
Stress at break	190 / 105	MPa	ISO 527-1/-2
Strain at break	3.2 / 6	%	ISO 527-1/-2
Flexural modulus	8500 / -	MPa	ISO 178
Charpy notched impact strength (+23°C)	12.5 / 16	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	11 / 11	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
Temp. of deflection under load (0.45 MPa)	290 / *	°C	ISO 75-1/-2
Burning Behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	IEC 60695-11-10
Burning Behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.75 / *	mm	IEC 60695-11-10
Thermal Index 5000 hrs	177	°C	IEC 60216/ISO 527-1/-2
Electrical properties			
	dry / cond		
Volume resistivity	1E12 / 1E7	Ohm*m	IEC 60093
Comparative tracking index	400 / -	V	IEC 60112
Other properties			
	dry / cond		
Density	1480 / -	kg/m ³	ISO 1183