

Stanyl[®] TW271F8

(PA46+PTFE)–GF40

40% Glass Reinforced, Heat Stabilized, Wear and Friction Modified

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	DRY / COND		
Molding shrinkage [parallel]	0.6 / *	%	Sim. to ISO 294–4
Molding shrinkage [normal]	1.1 / *	%	Sim. to ISO 294–4
MECHANICAL PROPERTIES			
	DRY / COND		
Tensile modulus	13000 / –	MPa	ISO 527–1/–2
Stress at break	210 / –	MPa	ISO 527–1/–2
Strain at break	3 / –	%	ISO 527–1/–2
Flexural modulus	11500 / –	MPa	ISO 178
Flexural strength	300 / –	MPa	ISO 178
Charpy notched impact strength (+23°C)	14 / –	kJ/m²	ISO 179/1eA
Izod notched impact strength (+23°C)	14 / –	kJ/m²	ISO 180/1A
THERMAL PROPERTIES			
	DRY / COND		
Melting temperature (10°C/min)	290 / *	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	285 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	285 / *	°C	ISO 75–1/–2
OTHER PROPERTIES			
	DRY / COND		
Density	1630 / –	kg/m³	ISO 1183

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