

Stanyl[®] TW271F8

(PA46+PTFE)–GF40

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

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<i>RHEOLOGICAL PROPERTIES</i>			
	<i>DRY / COND</i>		
Molding shrinkage [parallel]	0.6 / *	%	Sim. to ISO 294–4
Molding shrinkage [normal]	1.1 / *	%	Sim. to ISO 294–4
<i>MECHANICAL PROPERTIES</i>			
	<i>DRY / COND</i>		
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/m ²	ISO 179/1eA
Izod notched impact strength (+23°C)	14 / –	kJ/m ²	ISO 180/1A
<i>THERMAL PROPERTIES</i>			
	<i>DRY / COND</i>		
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
<i>OTHER PROPERTIES</i>			
	<i>DRY / COND</i>		
Density	1630 / –	kg/m ³	ISO 1183