

Stanyl[®] TW213F2

PA46-I-GF8

Glass Reinforced, Heat Stabilized, Impact Modified

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
MECHANICAL PROPERTIES			
	<i>DRY / COND</i>		
Tensile modulus	3700 / –	MPa	ISO 527-1/-2
Tensile modulus (120°C)	1400 / –	MPa	ISO 527-1/-2
Stress at break	95 / *	MPa	ISO 527-1/-2
Stress at break (120°C)	50 / –	MPa	ISO 527-1/-2
Strain at break	10 / *	%	ISO 527-1/-2
Strain at break (120°C)	24 / –	%	ISO 527-1/-2
Charpy notched impact strength (+23°C)	12 / –	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	5 / –	kJ/m ²	ISO 179/1eA
Izod notched impact strength (+23°C)	12 / –	kJ/m ²	ISO 180/1A
Izod notched impact strength (-40°C)	5 / –	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES			
	<i>DRY / COND</i>		
Melting temperature (10°C/min)	295 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
	<i>DRY / COND</i>		
Humidity absorption	3 / *	%	Sim. to ISO 62
Density	1180 / –	kg/m ³	ISO 1183