

**Stanyl® ForTii™ K11**

PA4T-GF30

DSM Engineering Plastics

Product Texts

30% Glass Reinforced, for E&E applications, Good Flow

ISO 1043 PA4T-GF30

[Stanyl ForTii website](#)

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.4 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.3 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data	dry / cond	Unit	Test Standard
	Tensile Modulus	11000 / -	MPa
	Stress at break	180 / -	MPa
	Strain at break	2 / -	%
	Charpy impact strength (+23°C)	55 / -	kJ/m²
	Charpy notched impact strength (+23°C)	10 / -	kJ/m²
Thermal properties			
ISO Data	dry / cond	Unit	Test Standard
	Melting temperature (10°C/min)	325 / *	°C
	Glass transition temperature, 10°C/min	125 / *	°C
	Temp. of deflection under load (1.80 MPa)	305 / *	°C
	Temp. of deflection under load (0.45 MPa)	320 / *	°C
	Burning behav. at 1.5 mm nom. thickn.	HB / *	class
Electrical properties			
ISO Data	dry / cond	Unit	Test Standard
	Relative permittivity, 100Hz	5 / 5	-
	Relative permittivity, 1MHz	4.5 / 4.5	-
	Dissipation factor, 100Hz	150 / 150	E-4
	Dissipation factor, 1MHz	280 / 280	E-4
	Volume resistivity	>1E13 / >1E13	Ohm*m
Other properties			
ISO Data	dry / cond	Unit	Test Standard
	Water absorption	5.5 / *	%
	Humidity absorption	2.1 / *	%
Material specific properties			
ISO Data	dry / cond	Unit	Test Standard
	Viscosity number	98 / *	cm³/g

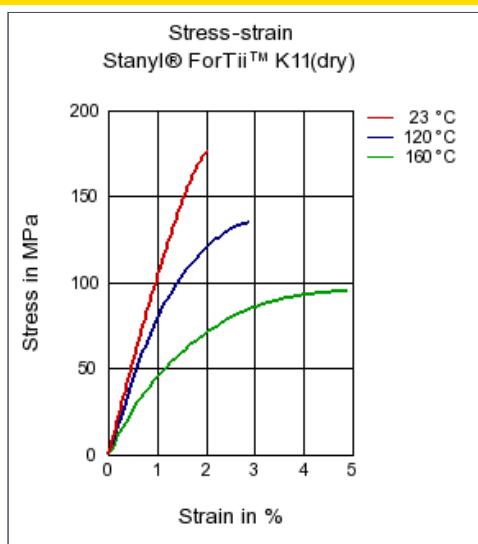
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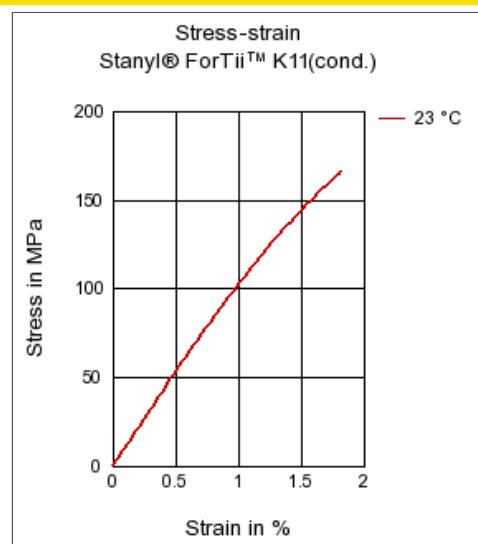
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Diagrams

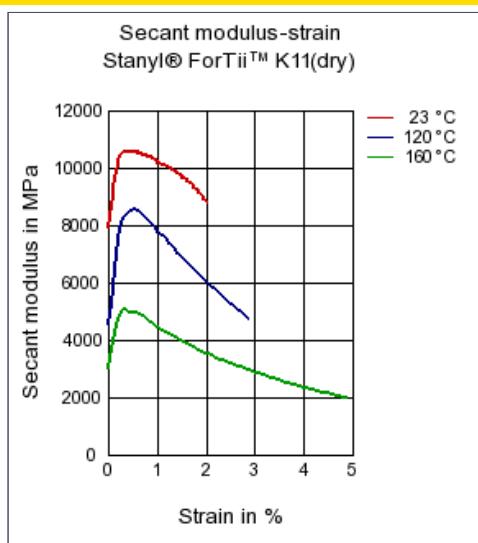
Stress-strain



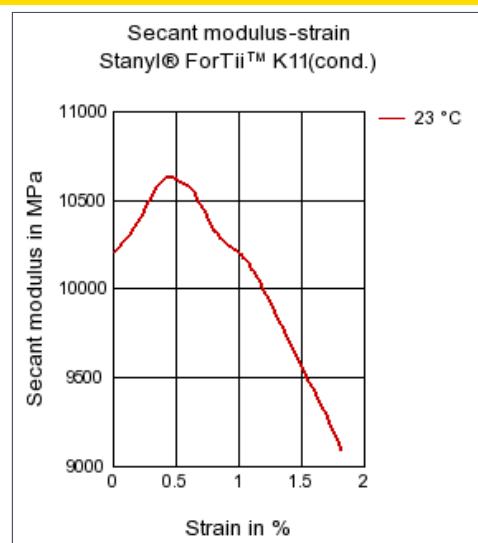
Stress-strain



Secant modulus-strain



Secant modulus-strain



Characteristics

Processing

Injection Molding

Delivery form

Granules

Additives

Lubricants, Release agent