

## SynTherm® PTFE

SynTherm® PTFE is a polytetrafluoroethylene (PTFE) film.

### Character

SynTherm® PTFE is suitable for high-voltage and power electronics applications. It offers excellent hydrolytic stability, best-in-class CTI values and outstanding electrical properties.

### Application

SynTherm® PTFE is suitable for use as insulation in power supplies, battery-powered equipment and similar applications.

### Standards

RoHS 2011/65/EU.  
REACH 1907/2006/EC

### Delivery Form

Thickness  $\mu\text{m}$ :

50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400, 500, 600

Other dimension need confirm

SynTherm® PTFE:

- tapes as of 10 mm width
- rolls approx. 400 mm width

### Base

Polytetrafluoroethylene (PTFE) film

Typical mechanical properties	Unit			
Normal thickness	mm	0.1	0.2	0.3
Thickness tolerance	mm	-0.02/+0.02	-0.02/+0.02	-0.02/+0.02
Density	$\text{g/cm}^3$	2.15	2.15	2.15
Tensile strength	MPa	13	13	13
Elongation	%	150	150	150
CTI		600	600	600
Flame resistance		V-0	V-0	V-0
Application thermal range	$^{\circ}\text{C}$	-40 $^{\circ}\text{C}$ ~260 $^{\circ}\text{C}$		

Typical electrical properties	Unit			
Normal thickness	mm	0.1	0.2	0.3
Dielectric strength	Kv	1.9	3.8	5.7

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SynFlex Quality Network

