



Hostaphan[®] TT

Film for thermal transfer applications

Hostaphan[®] TT is a biaxially oriented film made of polyethylene terephthalate (PET) for the use as support for ink layers in thermal transfer applications. It is used as basefilm for thermal transfer ribbons in a variety of applications.

Typical properties

Property	Thickness μm	Units	Value		Test Method	Test Conditions
			MD*	TD*		
MECHANICAL						
Tensile strength	4.5, 5.7	N/mm ²	300	250	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	4.5, 5.7	%	80	100	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young's Modulus	4.5, 5.7	N/mm ²	5500	5000	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 1 %/min.; 23 °C, 50 % r.h.
F5-value (stress to obtain 5% elongation)	4.5, 5.7	N/mm ²	120	100	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
THERMAL						
Specific heat	4.5, 5.7	J/kgK	1300		-	-
Thermal conductivity	4.5, 5.7	w/m x k	0.13		VDE 0304 part 1	-
Melting point	4.5, 5.7	°C	260		Differential- thermoanalysis	-
Shrinkage	4.5, 5.7	%	2.5	0.6	DIN 40634	150°C, 15 min.
PHYSICAL/CHEMICAL						
Density	4.5, 5.7	g/cm ³	1.4		ASTM-D 1505-68 method C	23°C

MD = Machine direction, TD = Transverse direction


Applications:

- Bar code
- Fax machines
- Labeling
- Ticketing

Delivery program Hostaphan® TT

Thickness	Yield		Roll length	Roll diameter	Roll length	Roll diameter
	µm	g/m ²	m ² /kg	m	mm	m
4.5	6.3	159	15 000	340	24 000	400
			30 000	450	40 000	520
5.7	8.0	125	12 000	340	24 000	450

Other roll lengths on request. Core diameter: 152.4 mm (6")