

Technical Data Sheet

Issue: 04/2014/v01

Product-Line: BRT-A, DRT-A, SRT-A
Material: PET film, white matte 125µm
TEXTIT-Material-Code: TMC-1013

Material data:

Description				
The TMC-1013 is a white matte PET film. Suitable for labeling with a thermal transfer printer.				

Properties	Test method	Unit	1)	Typical Values 125 µm
Physical				
Caliper	DIN 53105 / ISO 534	µm		139 ± 8,5
Weight	DIN 53104	g/m ²		146 ± 11
Coating Weight	Manufacturer-Method	g/m ²	OS RS	3,0 ± 1

Mechanical				
Tensile Strength	ASTM D 882	kg/cm ²	L Q	> 1400 > 1600
Elongation at Break	ASTM D 882	%	L Q	> 120 > 80

Thermal				
Melt Temp. of Base	ASTM E 794	°C		250 - 260
Shrinkage	ASTM D 1204 (30 min. @ 150°C)	%	L Q	2 1
Temperature resistance - long-term - short-term		°C		-50 °C to +100 °C -70 °C to + 150 °C

Optisch				
Opacity	ISO 2471	%		> 95
Whitness	DIN 53145 (Filter R457)	%	OS RS	>90
Light Fastness	DIN 54004 (Wollskala)		OS RS	> 5

Properties	Test method	Unit	1)	Typical Values 125 µm
Surface				
Smoothness (Bekk)	DIN 53107	sec	OS RS	> 40
Pick Test	IGT W 31 (norm. Visk.)	mm	OS RS	> 200
Oil Absorption	DIN 53132 (Cobb-Unger 15 sec)	g/m ²	OS RS	0,5 - 2,5

1) OS = Front Side / RS = Revers Side / L = Machine direction / Q = Cross direction

Food contact status

The Product has not been assessed against European Food Contact Legislation.

Storage

The film should be stored at a dry place at room temperature. Direct sunlight should be avoided. After transport and storage in cold rooms the material should be adjusted to the printing room's climate (1h/cm of roll diameter or stack high).

Stability

The coated film is resistant against humidity, fuel or oil. Polar solvents (like alcohols, esters, ketons) will attack the coating.

Disposal

Disposal does not present special disposal problems. In most circumstances, once TMC-1013 has been printed, incineration with Energy Recovery is the most environmentally efficient recovery route. TMC-1013 can also be burned in an incinerator with normal refuse or can be buried as a relatively inert material in a landfill. The disposal method should comply with appropriate local and country regulations.

RoHS-compliant

Yes