

Preliminary Technical Data Sheet

7037 – ENDURO Thermal 235 Metal detectable

DESCRIPTION

Laminate: Thermal paper / 56 µm PET/AL Film / Paper
 Sihl ENDURO Thermal 235 Metal detectable is a tear resistant thermal paper laminate, top coated with high sensitivity and good resistance against external influences.

APPLICATIONS

Metal detectable tag or label

IMAGE DURABILITY

min. 12 years, under adequate storage conditions
 (see note)

PHYSICAL PROPERTIES

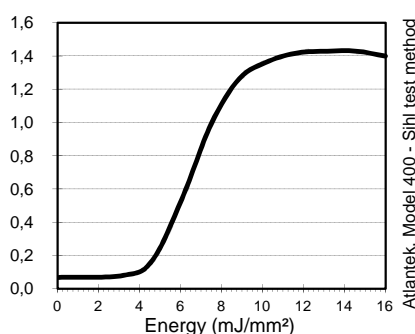
	Test method	Unit	Tolerance	Min.	Target
Weight	ISO 536	g/m ²	± 12		225
Thickness	ISO 534	µm	± 12		193
Smoothness	ISO 5627	s		> 300	
ISO Brightness	ISO 2470-1	%		> 80	
Bending stiffness m.d.	ISO 2493-1; 15°/10mm	mN		> 700	
Bending stiffness c.d.	ISO 2493-1; 15°/10mm	mN		> 275	
Tensile strength m.d.	ISO 1924-3/2/300	N/15mm		> 200	
Tensile strength c.d.	ISO 1924-3/2/300	N/15mm		> 150	
Opacity	ISO 2471	%		> 98	

STABILITY

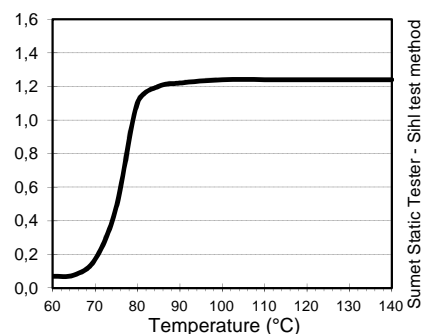
- Light ++
- Temperature ++
- Humidity ++
- Water ++
- Oil / Fat ++
- Plasticizer ++

++ very good + good
 o standard - not suitable

DYNAMIC DEVELOPMENT CURVE



STATIC DEVELOPMENT CURVE



Sensitivity curves are for general reference only

STORAGE AND CONVERTING

For quality reasons ENDURO Thermal should be stored originally packed.
 The material should be used within 12 months. Intermediate materials, pre- or partially printed materials should be finished within 4 weeks. Storage & converting conditions of 23±5°C and 50±10% relative humidity are recommended. Exposure to strong artificial light or direct sunlight and any contact with aggressive chemicals should be avoided.



We always recommend comprehensive testing of materials prior to regular usage.

All information is based on current quality level. We reserve the right to change this as part of our continual product development.
 The information given in this datasheet is provisional and temporary and is not binding as the product remains in development stages.
 Values provided are relevant to previous productions and may not be representative of all future makings.

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