

# 150 UT

150  $\mu\text{m}$

- ◆ High sensitive thermal cardboard.
- ◆ Premium-top coated thermal cardboard.
- ◆ High resolution grade 300 DPI.
- ◆ For print speed up to 300 mm/s (12 IPS).

## PAPER PROPERTIES

Item	Unit	Specification			Test method
		Target	Min	Max	
Basis weight	$\text{g/m}^2$	139	128	150	ISO 536
Thickness	$\mu\text{m}$	145	133	157	ISO 534
Tensile strength	MD	$\text{kN/m}$	3.40		ISO 1924
	CD	$\text{kN/m}$	2.20		
Tear strength	MD	$\text{mN}$	590		ISO 1974
	CD	$\text{mN}$	590		
Smoothness	Face	s	200		ISO 5627
D65 Brightness	Face	%	80		ISO 2470-2
Moisture	%			7.50	ISO 287/2009

## CERTIFICATIONS / NORMES / DIRECTIVES

- RoHS
- WEEE
- 2003/11/EC
- 2000/53/EC
- 76/769/EEC
- ISO EN71-3
- REACH
- Indirect food contact
- BPA free

**ISEGA**



The mark of responsible forestry



Tags

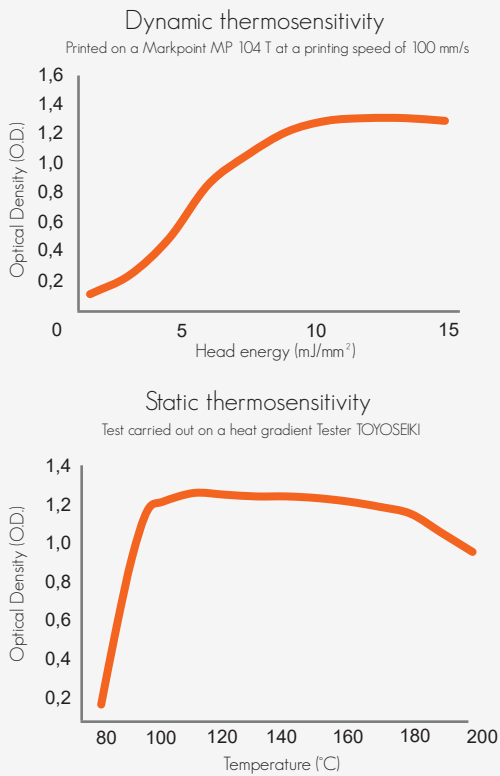


Entertainment



Transportation

## SENSITIVITY PROFILE



## PRINTING PROPERTIES

Item	Specification		Test method
	Min	Max	
Image color	Black		Visual inspection
Dynamic image density	O.D.	1.28	RIF IP0153 / IP0154
Background density	O.D.	0.12	RIF IP101

## MATCHING PROPERTIES

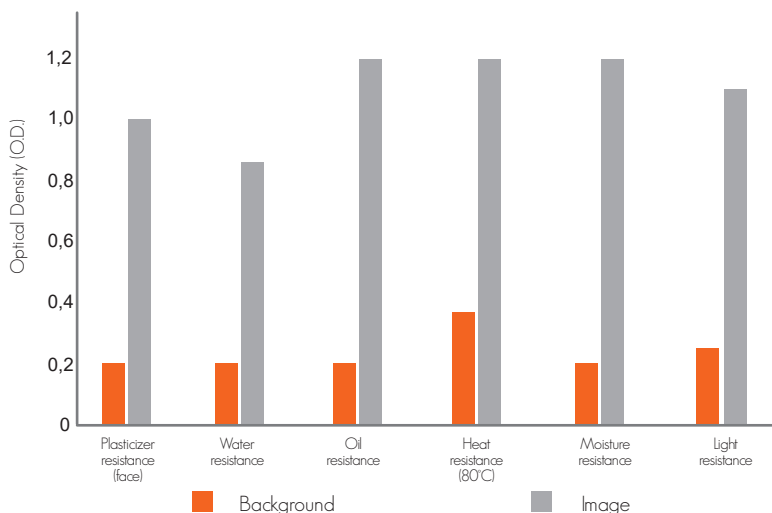
Item	Unit	Specification	Test method
		Min	
Distance without abrasion	km	30	RIF RP0101
Image density	O.D.	1.28	RIF IP0153

## INKING PROPERTIES

Ink manufacturer	UV Offset	UV Flexo	Water based Flexo
Flint Group	Lithocure 3G	Flexocure Sigma & Gemini	Thermokett TC
Siegwerk	Sicura 456 & Web 861	Sicura Flex 39-8 & 39-6 Sicura 39-9P (DEO)	Aqualabel 471+2% 53.41 Unilabel T Aquattherm 8034
Zeller+Gmelin	Uvalux U4	Uvaflex	Multiflex
Sun Chemical / Hartmann	Unicure Jet CL Unicure 1200/1500	Solarflex Lumina	477 Thermo
Jänecke+Schneemann	Supra UV		Flexo 5/A
Van Son	Quickson spezial		TP Aqua Base Plus
GSB-Wahl	UV 6300	UV Label-Flex UFP Serie 50	Waterlabel

The list of recommendations is based on pre-printing tests, experiences of ink manufacturers & end users and no suitability guarantees are given. The printing result may vary significantly depending on the local inking conditions and the process itself, thus it is recommended to always have pre-printing trials when selecting a new ink or a new paper grade.

## PRESERVATION PROPERTIES



Item	Test method
Plasticizer resistance (face)	RIF PP0111
Water resistance	RIF PP0115
Oil resistance	RIF PP0101
Heat resistance (80°C)	RIF PP0114
Moisture resistance	RIF PP0112
Light resistance	RIF PP0113