



# Grade Overview Thermal Paper

# Mitsubishi HiTec Paper

## Passion for First Class HiTec Papers

As a leading international supplier of direct thermal, inkjet, carbonless and barrier papers, we produce first class coated speciality papers for many applications and printing technologies. Our HiTec papers combine decades of know-how with state-of-the-art coating technology and professional converting equipment.

The responsible handling of resources is particularly important to us. We manufacture in the framework of an integrated management system (DIN EN ISO 9001, 14001 and 50001 as well as DIN ISO 45001 and DIN EN 15593) and we are FSC® and PEFC™ certified.

We are a flexible medium sized enterprise within the international Mitsubishi Group. Consistent research and development is the foundation for great innovation. We offer a large portfolio of standard products and develop individual, customized solutions for our customers. We offer the best global sales network and technical service to our customers all over the world.

- Huge experience and competence in paper making
- State-of-the-art coating technologies and formulations
- German-Japanese Research & Development
- Wide range of products
- Excellent Technical Service
- Worldwide Sales Network
- High innovative power
- Made in Germany



» Quality paper is the foundation.  
Incomparable added value is created  
by excellent coating. This is our  
passion: First class HiTec Paper. «

**thermoscript**

#### AT A GLANCE:

- Substance range from 42 – 170 gsm
- Several sensitivity and resistance levels
- Very good barcode readability
- Excellent print image even on fastest thermal printers
- Archivable for up to 40 years
- Phenol-free thermal papers
- Thermal papers without chemical developer
- ISEGA certified
- FSC® Mix or PEFC™ certified available



# Grade Overview

	Phenol Category	Grade	Substance (gsm)	Caliper (µm)	Dynamic Sensivity	Resistance	Archivability (years)
POS	BPA-free	P 4046 (42)	42	48	● ● ○ ○	● ○ ○ ○	10
		P 5046 (46)	46	50	● ● ○ ○	● ○ ○ ○	10
		P 5046 (55)	55	60	● ● ○ ○	● ○ ○ ○	10
		P 5846	58	65	● ● ○ ○	● ○ ○ ○	10
		P 6546	67	75	● ● ○ ○	● ○ ○ ○	10
		P 5056 (56)	56	60	● ● ● ○	● ● ○ ○	12
	Phenol-free	P 5047 (46)	46	51	● ● ○ ○	● ● ○ ○	12
		P 5047 (55)	55	60	● ● ○ ○	● ● ○ ○	12
		P 5847	58	66	● ● ○ ○	● ● ○ ○	12
		P 6547	67	75	● ● ○ ○	● ● ○ ○	12
		P 5057 (46)	47	53	● ● ● ○	● ● ● ○	20
		P 5057 (55)	55	62	● ● ● ○	● ● ● ○	20
	Without chemical developer	PURE for POS (43)	43	52	● ● ● ○	● ● ● ●	40
		PURE for POS (52)	52	61	● ● ● ○	● ● ● ●	40
Label	BPA-free	L 7046	67	74	● ● ○ ○	● ○ ○ ○	10
		L 7056	69	72	● ● ● ○	● ● ○ ○	12
	Phenol-free	L 7047	67	75	● ● ○ ○	● ● ○ ○	12
		L 7057	69	77	● ● ● ○	● ● ● ○	20
	Without chemical developer	PURE for Label (70)	67	80	● ● ● ○	● ● ● ●	40

**PURE:** The opaque functional layer reacts physically to heat, so that the underlying black layer becomes visible, revealing the text. The paper is light grey in colour, and is therefore easily distinguishable from standard thermal paper.

**LL:** With special surface treatment for low silicone absorption. Surface protection required for thermal printing process.



	Phenol Category	Grade	Substance (gsm)	Caliper (µm)	Dynamic Sensivity	Resistance	Archivability (years)
Label Linerless	Phenol-free	LL 6077	55	60	● ● ● ●	● ● ● ●	12
		LL 7077	69	72	● ● ● ●	● ● ● ●	12
		LL 8077	77	83	● ● ● ●	● ● ● ●	12
Ticket	BPA-free	T 7046	67	74	● ● ● ●	● ● ● ●	10
		T 8046	77	85	● ● ● ●	● ● ● ●	10
		T 9046	94	105	● ● ● ●	● ● ● ●	10
		T 7056	69	72	● ● ● ●	● ● ● ●	12
		T 8056	78	83	● ● ● ●	● ● ● ●	12
		T 9056	95	103	● ● ● ●	● ● ● ●	12
	Phenol-free	T 7047	67	75	● ● ● ●	● ● ● ●	12
		T 8047	77	85	● ● ● ●	● ● ● ●	12
		T 9047	93	105	● ● ● ●	● ● ● ●	12
		T 1247	124	141	● ● ● ●	● ● ● ●	12
		T 7057	69	77	● ● ● ●	● ● ● ●	20
		T 8057	78	85	● ● ● ●	● ● ● ●	20
		T 1257	126	143	● ● ● ●	● ● ● ●	20
		T 1747	170	188	● ● ● ●	● ● ● ●	20
	Without chemical developer	PURE for Ticket (70)	67	80	● ● ● ●	● ● ● ●	40

For detailed information on measurement methods see our technical data sheets.

Dynamic Sensivity:    ● ● ● ● = low            ● ● ● ● = standard    ● ● ● ● = high            ● ● ● ● = maximum

Resistance:            ● ● ● ● = standard    ● ● ● ● = good            ● ● ● ● = very good    ● ● ● ● = maximum

As a responsible manufacturer, we strive to produce and process our products in the most environmentally friendly way and to the highest standards of quality. We take our social responsibility seriously and are active in various environmental associations and organizations. Complying with and conforming to rules and regulations goes without saying. Social commitment is an important part of our corporate culture.

#### Certifications:

- FSC® Chain-of-Custody
- PEFC™ Chain-of-Custody
- DIN EN ISO 9001
- DIN EN ISO 14001
- DIN ISO 45001
- DIN EN ISO 50001



#### Memberships:

- B.A.U.M.
- ChePap Rhine-Ruhr
- Modellfabrik Papier
- Ökoprofit® Klub OWL
- Two Sides



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