



Grade Overview Thermal Paper

Grade Overview

	Grade	Substance (gsm)	Caliper (µm)	Dynamic Sensivity	Resistance	Archivability (years)	Reverse Side Coat	UV Offset Printability
Ticket Topcoat	TF 7056	74	77	3	4	12		✓
	TF 7067	74	75	3	4	12		✓
	RS 7059	79	82	3	4	12	barrier	✓
	TF 8067	82	84	3	4	12		✓
	DK 8067	88	84	3	4	12	thermal	✓
	TN 8067	84	87	3	4	12	barrier	✓
	TF 8075	83	86	4	4	12		✓
	RS 8057	87	87	3	4	12	barrier	✓
	TF 9067	97	100	3	4	12		✓
	TF 1056	106	110	3	4	12		✓
	TF 1067	106	110	3	4	12		✓
	TF 1075	107	112	4	4	12		✓
	TM 1075	112	115	4	4	12	pigment	✓
	TF 1267	127	134	3	4	12		✓
	TF 1467	137	143	3	4	12		✓
	TM 1567	148	152	3	4	12	pigment	✓
	TF 1667	163	175	3	4	12		✓
	TF 1767	175	187	3	4	12		✓
	TF 1775	175	187	4	4	12		✓
	TN 1775	177	190	4	4	12	barrier	✓
	TM 1767	174	184	3	4	12	pigment	✓
	TZ 1767	178	189	3	4	12	pigment	✓
	TM 1875	185	194	4	4	12	pigment	✓
	TF 2167	209	231	3	4	12		✓
	TN 2267	219	245	3	4	12	barrier	✓
	TF 2467	224	255	3	4	12		✓
	TN 2467	227	255	3	4	12	barrier	✓
	TZ 2467	247	268	3	4	12	pigment	✓
	TF 2475	225	255	4	4	12		✓
	TN 2475	233	257	4	4	12	barrier	✓
	TF 2567	234	265	3	4	12		✓

Dynamic Sensivity

1 = low 2 = standard 3 = high 4 = maximum

Resistance against Environmental Influences / Image Stability

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The explanation of applications 1–8 can be found under the flap at the back of the brochure.

Category			Special Features	Applications							
BPA free	BP free	P free		1	2	3	4	5	6	7	8
			excellent heat resistance up to 100 °C (212 °F)		2		4				
		✓	topcoat with excellent allround properties				4	5	6		
		✓	very high wet scratch resistance, high gloss surface, waterproof from both sides		2		4			7	8
		✓	topcoat with excellent allround properties				4	5	6		
		✓	double-sided thermal topcoat				4	5	6		
		✓	topcoat with excellent allround properties, reverse side barrier coat		2		4	5	6		
	✓		maximum sensitivity, excellent barcode print, 300 dpi resolution				4	5	6		
		✓	very high wet scratch resistance, high gloss surface, waterproof from both sides		2		4			7	
		✓	topcoat with excellent allround properties					5		7	
			excellent heat resistance up to 100 °C (212 °F)					5		7	
		✓	topcoat with excellent allround properties			3	4	5			
	✓		maximum sensitivity, excellent barcode print, 300 dpi resolution			3		5			
	✓		reverse side pigment coat			3		5			
		✓	topcoat with excellent allround properties				4	5			
		✓	topcoat with excellent allround properties				4	5			
		✓	reverse side pigment coat				4	5			
		✓	topcoat with excellent allround properties				4	5			
		✓	topcoat with excellent allround properties				4	5			
	✓		maximum sensitivity, excellent barcode print, 300 dpi resolution				4	5			
	✓		reverse side barrier coat, maximum sensitivity				4	5			
		✓	reverse side pigment coat, topcoat with excellent allround properties				4	5			
		✓	reverse side glossy pigment coat, topcoat with excellent allround properties				4	5			
	✓		reverse side pigment coat, maximum sensitivity				4	5			
		✓	topcoat with excellent allround properties				4	5			
		✓	reverse side barrier coat				4	5			
		✓	topcoat with excellent allround properties				4	5			
		✓	reverse side barrier coat				4	5			
		✓	reverse side glossy pigment coat, topcoat with excellent allround properties				4	5			
	✓		maximum sensitivity, excellent barcode print, 300 dpi resolution				4	5			
	✓		reverse side barrier coat, maximum sensitivity				4	5			
		✓	topcoat with excellent allround properties				4	5			

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

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	Grade	Substance (gsm)	Caliper (µm)	Dynamic Sensivity	Resistance	Archivability (years)	Reverse Side Coat	UV Offset Printability
Ticket Topcoat	TN 2567	236	270	3	4	12	barrier	✓
	TF 2667	256	380	3	4	12		✓
	TF 2767	253	285	3	4	12		✓
Ticket Non Topcoat	T 7041	68	74	2	1	7		
	T 7046	68	74	2	2	7		
	T 7051	70	75	3	1	7		
	T 7033	73	76	3	2	7		✓
	T 7034	73	76	3	2	10		✓
	T 7035	74	79	3	2	7		✓
	T 7037	73	75	2	4	25		✓
	T 8040	77	85	2	2	10		✓
	T 8041	77	85	2	1	7		
	T 8046	78	86	2	2	7		
	T 8047	78	87	2	3	10		
	T 8050	89	85	3	3	12		✓
	T 8051	78	85	3	1	7		
	T 8033	81	85	3	2	7		✓
	T 8034	81	85	3	2	10		✓
	T 8037	81	84	2	4	25		✓
	T 8045	77	85	2	2	10		
	T 8055	79	85	3	3	12		
	T 9051	95	106	3	1	7		
	T 9033	96	102	3	2	7		✓
	T 9034	96	102	3	2	10		✓
	T 1033	105	110	3	2	7		✓
	T 1034	105	110	3	2	10		✓
	T 1037	105	111	2	4	25		✓
	T 1051	105	112	3	1	7		
	T 1233	126	135	3	2	7		✓
	T 1234	126	134	3	2	10		✓
	T 1237	125	136	2	4	25		✓
	T 1433	136	144	3	2	7		✓
	T 1434	136	144	3	2	10		✓

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Category			Special Features	Applications							
BPA free	BP free	P free		1	2	3	4	5	6	7	8
		✓	reverse side barrier coat				4	5			
		✓	380 micron, topcoat with excellent allround properties				4	5			
		✓	topcoat with excellent allround properties				4	5			
				1	2				6		
✓				1	2				6		
				1	2		4		6		
				1	2		4				
	✓				2		4				
			very good UV light resistance				4				
		✓					4	5			
					2		4	5			
				1	2		4				
✓				1	2		4				
		✓			2		4				
					2		4				
					2		4	5			
					2		4	5			
	✓				2		4	5			
		✓			2		4	5	6		
				1	2						
				1	2						
							4	5		7	
							4	5		7	
	✓						4	5		7	
							4	5		7	
	✓						4	5		7	
		✓					4	5		7	
							4	5		7	
							4	5			
	✓						4	5			
		✓					4	5			
							4	5			
	✓						4	5			

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Grade Overview

	Grade	Substance (gsm)	Caliper (µm)	Dynamic Sensivity	Resistance	Archivability (years)	Reverse Side Coat	UV Offset Printability
Ticket Non Topcoat	T 1437	136	144	2	4	25		✓
	TE 1533	148	151	3	2	7	pigment	✓
	T 1633	162	174	3	2	7		✓
	TE 1633	174	180	3	2	7	pigment	✓
	T 1733	173	185	3	2	7		✓
	T 1734	173	185	3	2	10		✓
	T 1737	173	185	2	4	25		✓
	T 1837	182	200	2	4	25		✓
	T 2133	208	234	3	2	7		✓
	T 2134	208	232	3	2	10		✓
	T 2437	234	265	2	4	25		✓
	T 2533	233	265	3	2	7		✓
Label Topcoat	LF 6067	66	68	3	4	12		✓
	LF 7056	74	77	3	4	12		✓
	LP 7057	74	75	3	4	12		✓
	LF 7067	74	75	3	4	12		✓
	LG 7037	75	72	1	4	25		✓
	LF 8067	82	84	3	4	12		✓
	LN 8067	84	86	3	4	12	barrier	✓
Label Non Topcoat	L 6551	65	72	3	1	7		
	L 7051	70	75	3	1	7		
	L 7033	73	76	3	2	7		✓
	L 7037	73	75	2	4	25		✓
	L 8033	81	85	3	2	7		✓
	L 8037	81	84	2	4	25		✓
POS Topcoat	PF 5056	58	60	3	4	12		✓
	PF 5067	57	60	3	4	12		✓
	PF 5075	58	61	4	4	12		✓
	PF 6056	67	68	3	4	12		✓
	PF 6067	66	68	3	4	12		✓

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Category			Special Features	Applications							
BPA free	BP free	P free		1	2	3	4	5	6	7	8
		✓					4	5			
			reverse side pigment coat				4	5			
							4	5			
			reverse side pigment coat				4	5			
							4	5			
	✓						4	5			
		✓					4	5			
		✓					4	5			
							4	5			
	✓						4	5			
		✓					4	5			
		✓	light-weight label							7	
			excellent heat resistance up to 100 °C (212 °F)							7	
		✓	very good water resistance							7	
		✓	topcoat with excellent allround properties							7	
		✓	long life, excellent resistance, glossy topcoat							7	
		✓	topcoat with excellent allround properties							7	
		✓	reverse side barrier coat, ideal for aggressive chemicals and adhesives							7	
			light-weight label							7	
										7	
										7	
		✓	long life, excellent resistance							7	
										7	
		✓	long life, excellent resistance							7	
			excellent heat resistance up to 100 °C (212 °F)	1	2						
		✓	topcoat with excellent allround properties	1	2						
	✓		maximum sensitivity	1	2						
			excellent heat resistance up to 100 °C (212 °F)	1	2						
		✓	topcoat with excellent allround properties	1	2						

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	Grade	Substance (gsm)	Caliper (µm)	Dynamic Sensivity	Resistance	Archivability (years)	Reverse Side Coat	UV Offset Printability
POS Non Topcoat	F 5041 (44)	44	49	2	1	7		
	F 5041 (48)	48	55	2	1	7		
	P 5046 (48)	48	55	2	2	7		
	P 5047 (48)	48	55	2	3	10		
	F 5041 (55)	55	60	2	1	7		
	P 5040	55	60	2	2	10		✓
	P 5043	55	60	2	1	7		✓
	P 5046 (55)	55	60	2	2	7		
	P 5045	55	60	2	2	10		
	P 5047 (55)	55	60	2	3	10		
	P 5050	56	60	3	3	12		✓
	F 5051 (55)	56	63	3	1	7		
	P 5055	56	60	3	3	12		
	P 5033	57	59	3	2	7		✓
	P 5037	56	59	2	4	25		✓
	F 5841	58	65	2	1	7		
	P 5845	58	65	2	2	10		
	P 6541	65	73	2	1	7		
	P 6547	65	72	2	3	10		
	P 6045	69	74	2	2	10		
	P 6055	70	74	3	3	12		
Security Topcoat	QF 1767	174	187	3	4	12		✓
	CF 18 GR	194	180	3	3	10	pigment	✓
	CF 18 RD	194	180	3	3	10	pigment	✓
Security Non Topcoat	S 8037	80	84	2	4	25		✓
	S 8039	80	84	2	4	25		✓
	S 8039 CM Plus	83	84	2	4	25		✓
	S 1037	100	105	2	4	25		✓

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BPA free	BP free	P free		1	2	3	4	5	6	7	8
				1							
				1							
✓				1							
		✓		1	2						
				1	2						
				1							
✓				1							
				1							
		✓		1	2						
				1	2						
				1	2						
				1	2						
				1	2				6		
		✓	long life, excellent resistance	1	2				6		
				1	2						
				1	2				6		
				1							
		✓		1	2				5		
				1	2						
				1	2						
		✓	security pigments for electronical detection				4	5			8
		✓	green coloured center					5			8
		✓	red coloured center					5			8
		✓	UV fluorescent security fibers				4				8
		✓	UV fluorescent security fibers, anti-falsification				4				8
		✓	UV fluorescent security fibers, anti-falsification, coating mark, testpen reaction				4				8
		✓	UV fluorescent security fibers				4				8

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Security Non Topcoat	S 1237	120	127	2	4	25		✓
	S 1239	120	127	2	4	25		✓
	S 1239 CM	129	145	2	4	25		✓
	S 1437	139	150	2	4	25		✓
	S 1439	140	150	2	4	25		✓
	S 1439 CM	141	157	2	4	25		✓
	S 1739	172	184	2	4	25		✓
Lottery	TL 1000	81	85	3	2	7		✓
	TL 3000	82	84	3	4	10		✓
Certified for HP Indigo HP Indigo	I 50	57	59	3	2	7		✓
	E 6041	66	65	2	1	7		
	I 70	73	76	3	2	7		✓
	I 80	81	85	3	2	7		✓
	I 90	96	102	3	2	7		✓
	I 100	105	110	3	2	7		✓
	EM 1075	112	115	4	4	12	pigment	✓
	I 120	126	135	3	2	7		✓
	I 140	136	144	3	2	7		✓
	IE 150	148	151	3	2	7	pigment	✓
	EM 1567	148	152	3	4	12	pigment	✓
	I 160	162	174	3	2	7		✓
	I 170	173	185	3	2	7		✓
	IE 170	174	180	3	2	7		✓
	EM 1767	174	184	3	4	12	pigment	✓
	I 200	209	234	3	2	7		✓
	I 230	233	265	3	2	7		✓

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BPA free	BP free	P free		1	2	3	4	5	6	7	8
		✓	UV fluorescent security fibers				4	5			8
		✓	UV fluorescent security fibers, anti-falsification				4	5			8
		✓	UV fluorescent security fibers, anti-falsification, coating mark				4	5			8
		✓	UV fluorescent security fibers				4	5			8
		✓	UV fluorescent security fibers, anti-falsification				4	5			8
		✓	UV fluorescent security fibers, anti-falsification, coating mark				4	5			8
		✓	UV fluorescent security fibers, anti-falsification				4	5			8
			Non-Topcoat			3					
		✓	Topcoat			3					
			thermal side HP Indigo certified	1							
			reverse side HP Indigo certified	1							
			thermal side HP Indigo certified	1				5		7	
			thermal side HP Indigo certified	1				5		7	
			thermal side HP Indigo certified					5		7	
			thermal side HP Indigo certified					5		7	
	✓		reverse side HP Indigo certified, topcoat, maximum sensitivity					5			
			thermal side HP Indigo certified					5			
			thermal side HP Indigo certified					5			
			thermal side and reverse side HP Indigo certified					5			
		✓	reverse side HP Indigo certified					5			
			thermal side HP Indigo certified					5			
			thermal side HP Indigo certified					5			
			thermal side and reverse side HP Indigo certified					5			
		✓	reverse side HP Indigo certified, topcoat, high sensitivity					5			
			thermal side HP Indigo certified					5			
			thermal side HP Indigo certified					5			

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AT A GLANCE:

- Substance range from 44 – 256 gsm
- Several sensitivity levels
- Excellent print image even on fastest thermal printers
- Several front and reverse side coatings
- Archivable for up to 25 years
- Excellent offset and flexo printability due to curtain coater technology
- HP Indigo approved thermal paper
- Bisphenol and Phenol free thermal paper
- Various security features
- FSC® and PEFC™ certified



Applications



1 POS & FAX

Excellent printability, great durability and very good runability in thermal printers make thermoscript grades ideal for POS and fax applications. Our very light and thin grades, as well as our phenol-free grades are particularly suited to the POS sector.



2 MEDICAL

In medicine it is essential that important results can be reproduced accurately and the paper used is very durable. Thermoscript satisfies the requirements of extreme durability, immaculate print head behaviour, excellent printing results and suitability for ultra high-speed printers.



3 LOTTERY & GAMING

Our thermoscript products for lottery and gaming satisfy many demands. High sensitivity, best pre-printability, optimum resistance properties and reliable security are essential. The ticket could just be the entrance ticket to a world of big wins.



4 TRANSPORT

Whether boarding pass, train ticket or parking ticket – thermoscript grades are used throughout the transport sector for their excellent stampability, printing image stability and durability as well as printability. Also in mobile printing. And with security features already incorporated at the mill.



5 ADMISSION TICKETS

Our papers for the most colourfully printed admission tickets are of the best quality. Excellent printability on both the front and reverse sides and extreme stability and durability are critical. Security features already incorporated at the mill give maximum protection against ticket counterfeiting.



6 BANKING

High-quality, stable and extremely durable thermal papers are required for use at ATMs, multifunction terminals and statement printers. Thermoscript papers have been tested and approved by OEMs for numerous systems.



7 LABELS & TAGS

Thermal labels and tags place high demands on the material. The printed image must be sharp so that it can be read correctly by scanners. The paper must be resistant to moisture, temperature fluctuations and plasticizers.



8 SECURITY

The composition of thermal paper can only be copied at great expense in any case. If security elements such as coloured center, coating marks or fluorescent fibres can be integrated at the mill, the paper is thus rendered virtually forgery proof, which is a key argument in a variety of applications.

As a responsible manufacturer we pay particular attention to the most environmentally friendly and high quality production and converting of our thermal paper. Complying and conforming with rules go without saying. Social commitment is an important part of our corporate culture.

Certifications:

- > FSC® Chain-of-Custody
- > PEFC™ Chain-of-Custody
- > ISO 9001
- > ISO 14001
- > ISO 50001

Memberships:

- > B.A.U.M.
- > Klimapakt Flensburg
- > Ökoprofit Bielefeld
- > Two Sides
- > Wirtschaft pro Klima



*ther***m***oscript*