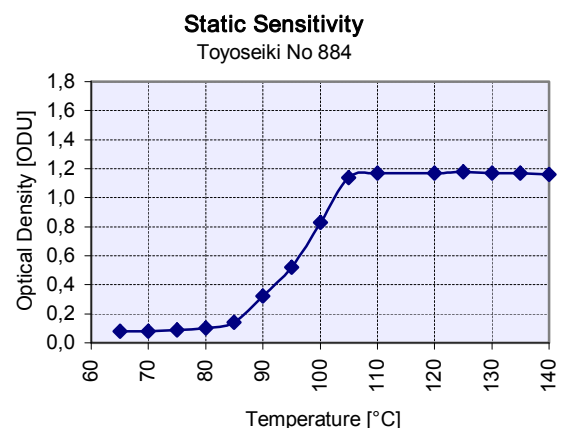
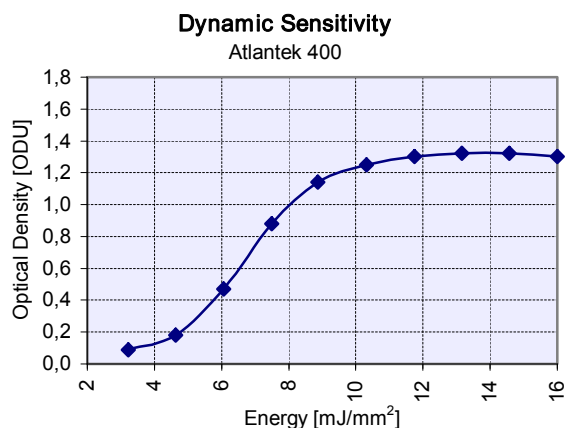


Grade Characteristics

Sensitivity:	standard
Printing Speed:	max. 8 inch / 200 mm per second
Protection Coating:	without topcoat
Stability:	normal stability against environmental influences
Image Durability:	7 years *
Other:	Bisphenol A-free

Physical Properties	Value	Unit	Test Method
Base Weight	48 ± 4	g/m ²	ISO 536
	12,7 ± 1,0	lbs	17 x 22 - 500
Caliper	55 ± 5	micron	ISO 534
	2,1 ± 0,1	mil	
Smoothness (Bekk)	> 300	s	ISO 5627
Brightness (R 457)	> 87	%	DIN 53145-2
Tensile Strength (md)	> 43	N/15mm	ISO 1924/2
Tensile Strength (cd)	> 10	N/15mm	ISO 1924/2
Opacity	> 83	%	ISO 2471

Climatic stability		Stability	
Item	Condition	Image	Contrast
Heat Resistance	60°C/24h	> 90%	> 90%
Humidity Resistance	40°C/90% r.h./24h	> 80%	> 80%
Light Resistance incl. UV	10.000 kJ/m ²	> 85%	> 85%



* specific handling and storage conditions have to be observed

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subject to alterations

Preliminary Data Sheet
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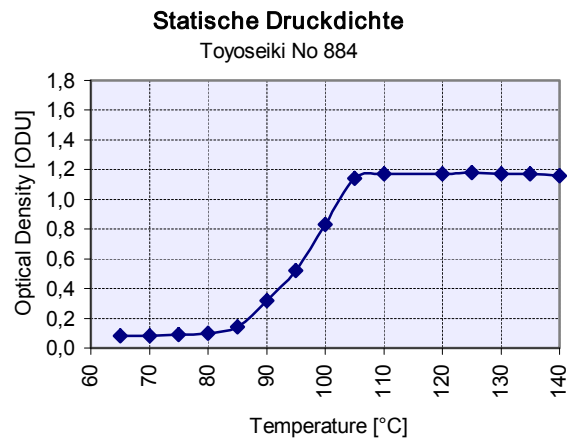
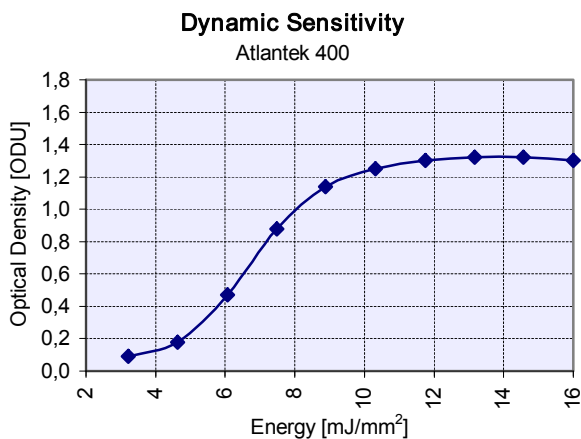
P 5046(48)
Technisches Datenblatt

Sortencharakteristika

Sensitivität:	Standard
Druckergeschwindigkeit:	Bis zu 8 inch / 200 mm pro Sekunde
Schutzstrich:	Ohne Topcoat
Beständigkeiten:	Normale Beständigkeiten gegen Umwelteinflüsse
Haltbarkeit des Druckbildes:	7 Jahre *
Sonstiges:	Bisphenol A-frei

Physikalische Eigenschaften	Werte	Einheit	Norm
Flächengewicht	48 ± 4	g/m ²	ISO 536
Dicke	55 ± 5	micron	ISO 534
Glätte (Bekk)	> 300	s	ISO 5627
Weißße (R 457)	> 87	%	DIN 53145-2
Bruchlast längs	> 43	N/15mm	ISO 1924/2
Bruchlast quer	> 10	N/15mm	ISO 1924/2
Opazität	> 83	%	ISO 2471

Klimatische Beständigkeiten		Stabilität	
Art der Beständigkeit	Bedingung	Bild	Kontrast
Hitzebeständigkeit	60°C/24h	> 90%	> 90%
Feuchtebeständigkeit	40°C/90% r.F./24h	> 80%	> 80%
Lichtbeständigkeit incl. UV	10.000 kJ/m ²	> 85%	> 85%



* Unter Einhaltung der Lager- und Handhabungsgrundsätze

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Änderungen vorbehalten

Preliminary Data Sheet
thermoscript Trial Product

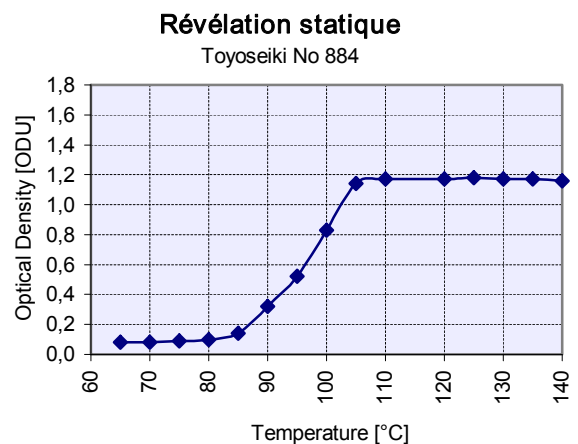
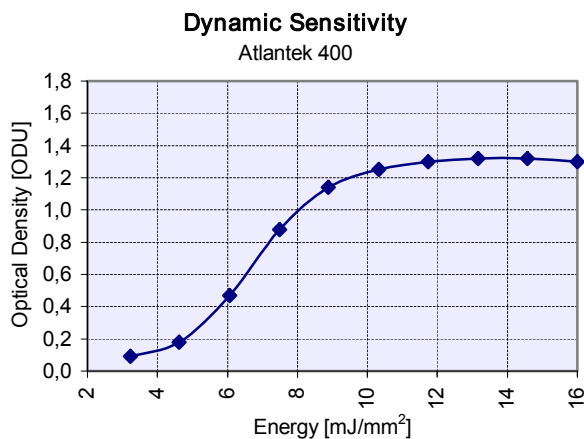
P 5046(48)
Fiche technique

Caractéristiques techniques

Sensibilité:	standard
Vitesse imprimante:	max. 8 inch / 200 mm par seconde
Couche protectrice:	sans topcoat
Résistance:	résistance normale aux agents extérieurs
Durabilité:	7 ans *
Autres:	sans Bisphenol A

Propriétés physiques	Valeurs	Unité	Méthode
Grammage	48 ± 4	g/m ²	ISO 536
Epaisseur	55 ± 5	micron	ISO 534
Lissé (Becq.)	> 300	s	ISO 5627
Blancheur (R 457)	> 87	%	DIN 53145-2
Rupture sens long	> 43	N/15mm	ISO 1924/2
Rupture sens travers	> 10	N/15mm	ISO 1924/2
Opacité	> 83	%	ISO 2471

Résistance aux agents extérieurs		Stabilité	
Type	Conditions	Image	Contraste
Chaleur	60°C/24h	> 90%	> 90%
Humidité	40°C/90% r.F./24h	> 80%	> 80%
Lumière incl. UV	10.000 kJ/m ²	> 85%	> 85%



* Les conditions de stockage et de manipulation doivent être observées.

Preliminary Data Sheet
thermoscript Trial Product

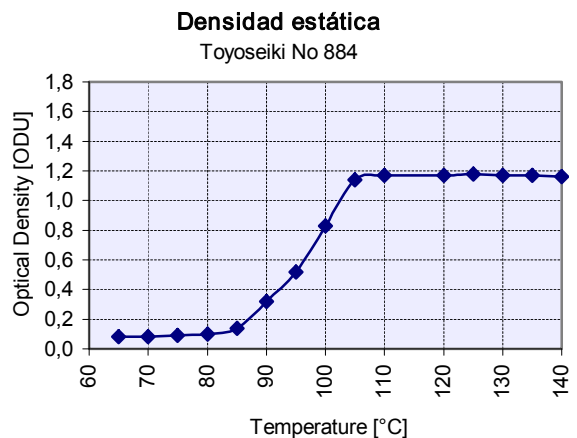
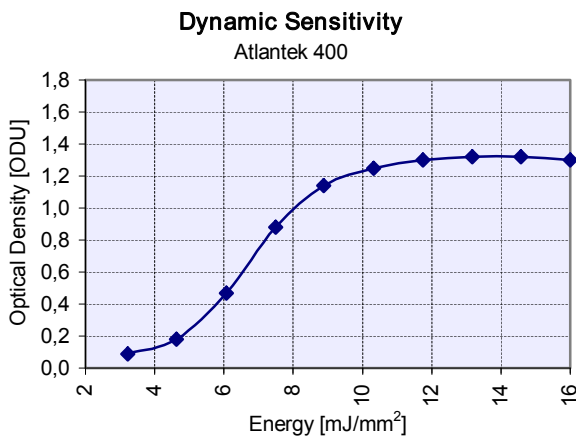
P 5046(48)
Especificación Técnica

Características técnicas

Sensibilidad:	standard
Velocidad impresión:	max. 8 inch / 200 mm por segundo
Cappa de protección:	sin topcoat
Estabilidad:	resistencia normal a influencias ambientales
Duración:	7 años *
Otro:	libre de Bisphenol A

Características Físicas	Valor	Unidad	Método test
Gramaje	48 ± 4	g/m ²	ISO 536
Calibre	55 ± 5	micron	ISO 534
Lisura (Becq.)	> 300	s	ISO 5627
Blancura (R 457)	> 87	%	DIN 53145-2
Carga de rotura longitudinal (md)	> 43	N/15mm	ISO 1924/2
Carga de rotura transversal (cd)	> 10	N/15mm	ISO 1924/2
Opacidad	> 83	%	ISO 2471

Resistencia a influencias ambientales		Estabilidad	
Clase de resistencia	Condiciones	Imagen	Contraste
Calor	60°C/24h	> 90%	> 90%
Humedad	40°C/90% r.h./24h	> 80%	> 80%
Luz incl. UV	10.000 kJ/m ²	> 85%	> 85%



* observadas las condiciones especiales de manipulación y almacenamiento

413104800

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salvo modificación

Preliminary Data Sheet

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P 5046(48)

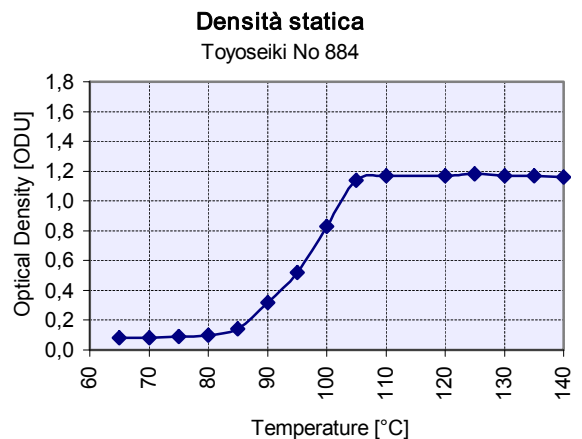
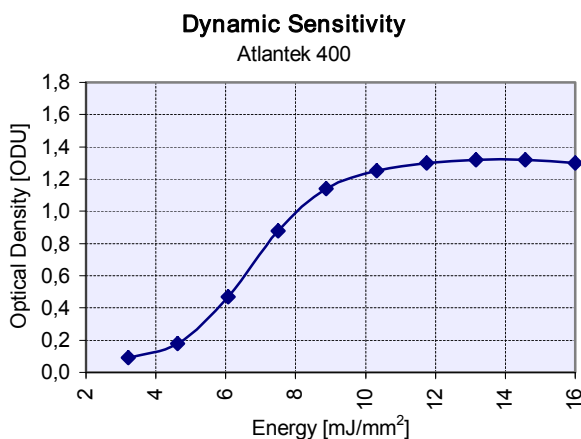
Scheda Tecnica

Caratteristiche prodotto

Sensibilità:	standard
Velocità di stampa:	max. 8 inch / 200 mm per secondo
Spalmatura protettiva:	senza topcoat
Stabilità:	resistenza normale agli agenti ambientali
Durata di conservazione:	7 anni *
Altro:	Esente da Bisfenolo A

Caratteristiche fisiche	Valore	Unità	Metodo di test
Peso	48 ± 4	g/m ²	ISO 536
Spessore	55 ± 5	micron	ISO 534
Grado di liscio	> 300	s	ISO 5627
Grado di bianco (R 457)	> 87	%	DIN 53145-2
Carico di rottura longitudinale	> 43	N/15mm	ISO 1924/2
Carico di rottura trasversale	> 10	N/15mm	ISO 1924/2
Opacità	> 83	%	ISO 2471

Resistenza ad agenti ambientali		Stabilità	
Tipo	Condizioni	Stampa	Contrasto
Calore	60°C/24h	> 90%	> 90%
Umidità	40°C/90% r.h./24h	> 80%	> 80%
Luce incl. UV	10.000 kJ/m ²	> 85%	> 85%



* In osservanza dei criteri di manipolazione e di immagazzinamento

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salvo modifiche



Standard, non-BPA grade for cash register- and ATM receipt use. Good print definition. Produced without using Bisphenol A.

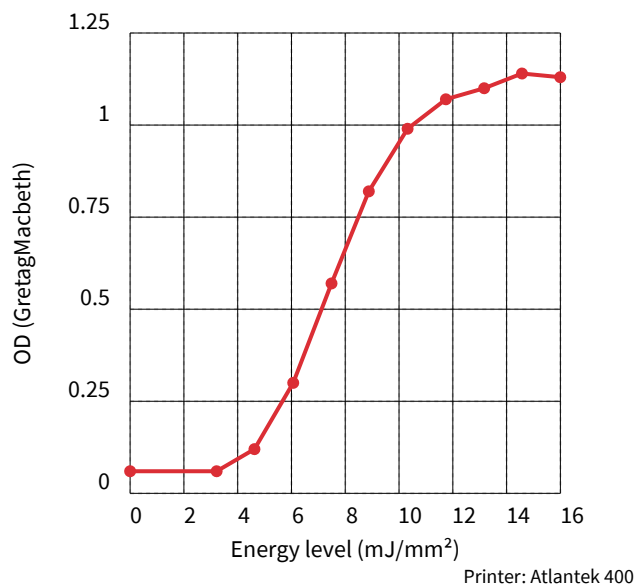
PAPER PROPERTIES					
ITEM	UNIT (SI)	VALUE (SI)	UNIT (US)	VALUE (US)	TEST METHOD
Grammage	g/m ²	48 ± 4	17x22 - 500 lbs	12.8 ± 1.1	ISO 536
Thickness	µm	55 ± 4	mils	2.17 ± 0.16	ISO 534
Moisture	%	6.0 ± 1.0			ISO 287
Tensile strength (MD)	kN/m	min. 2.1	lbf/in	min. 12.0	ISO 1924-3
Tensile strength (CD)	kN/m	min. 1.1	lbf/in	min. 6.3	ISO 1924-3
Tear strength (MD)	mN	min. 200	gf	min. 20.4	ISO 1974
Tear strength (CD)	mN	min. 220	gf	min. 22.4	ISO 1974
Brightness	%	min. 80			ISO 2470
Smoothness BEKK	s	min. 350			ISO 5627

IMAGE PROPERTIES			
ITEM	UNIT	VALUE	TEST METHOD
Image color		black	
Dynamic sensitivity	• - •••	••	•••• = highest sensitivity
Maximum density	• - •••	•	

STABILITY PROPERTIES			
ITEM	UNIT	VALUE	CIRCUMSTANCES
Heat resistance background	OD	max. 0.20	60 °C, 24 h
Heat resistance image loss	OD%	max. 20	
Humidity resistance background	OD	max. 0.20	40 °C, 90% rh, 24 h
Humidity resistance image loss	OD%	max. 20	
Light resistance background	OD	max. 0.20	5000 lux, 100 h
Light resistance image loss	OD%	max. 10	
Image stability	years	min. 8	Correct storage for thermal papers

EXAMPLES OF COLOR DEVELOPMENT GRAPHS

DYNAMIC SENSITIVITY



STATIC SENSITIVITY

