

Preliminary Data Sheet

thermoscript Trial Product

P 5055

Technical Data Sheet

Grade Characteristics

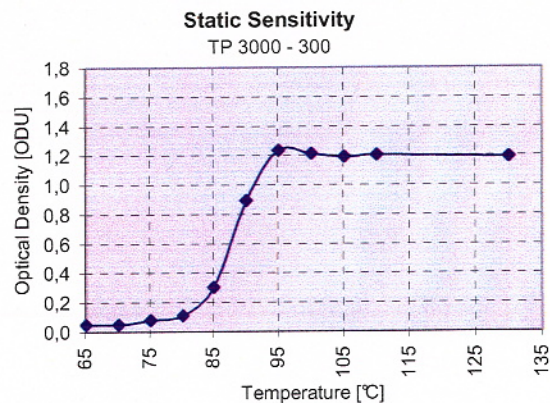
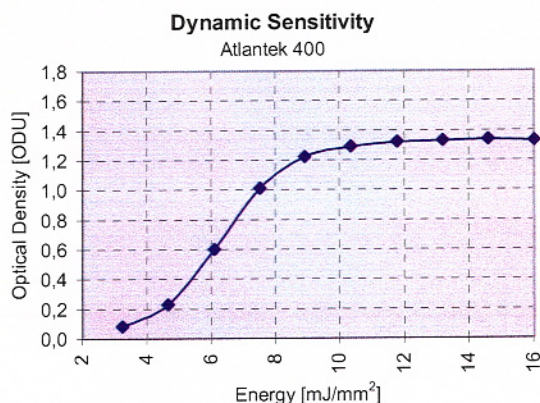
Sensitivity:	high
Printing Speed:	max. 12 inch / 300 mm per second
Protection Coating:	without topcoat
Stability:	improved resistance against environmental influences such as heat, humidity, light, lanolin, ethanol, plasticizer and water
Image Durability:	10 years *
Typical Application(s):	POS, Medical

Physical Properties	Value	Unit	Test Method
Base Weight	56 ± 4	g/m ²	ISO 536
Caliper	60 ± 5	micron	ISO 534
Smoothness (Bekk)	>350	s	ISO 5627
Brightness (R 457)	91 ± 4	%	DIN 53145-2
Tensile Strength (md)	>47	N/15mm	ISO 1924/2
Tensile Strength (cd)	>11	N/15mm	ISO 1924/2
Opacity	>86	%	ISO 2471

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

Stability against...**	Condition	Image Stability
Lanolin hand cream	24 h., room temp.	> 70%
Plasticizer (Tesa Document 57331)	24 h., room temp.	> 60%
Water, dipped 20 min	24 h., room temp.	> 75%

We ensure a standard image durability of 2 years under reallife conditions** on thermoscript P 5055 as required by the industry.



* specific handling and storage conditions have to be observed

513311

Valid from 01.01.2007

subject to alterations

Product Specification

KT 55 F20-E		Thermal Paper, Standard Quality - standard sensitivity - 5 years durability at correct storage for thermal paper	
Application:		P.O.S. receipts, fax paper	
Properties :		Value	Test Method
Physical Properties :			
Weight:		55 g/m ² ± 5 g/m ²	ISO 536
Thickness:		60 ± 5 µm	ISO 534
Smoothness (Bekk, front):		min. 350 s	ISO 5627
Brightness (front):		min 85 %	ISO 2469
Tensile strength:	MD:	min. 40 N/15 mm	ISO 1924-2
	CD:	min. 20 N/15 mm	ISO 1924-2
Preservation Properties:		Optical density before	Optical density after
Heat resistance:		1,25	> 1,20
Moisture resistance:		1,25	> 1,20
Light resistance :		1,25	> 1,20
			Conditions
			24h / 50°C
			24h / 40°C 90% r.h.
			24 h / 16.000 lux

