

# Technical Data Sheet

## AP50KS-NP tentative

High preservability grade for cash register, receipt, coupon and P.O.S. use.  
Produced without using phenolbased developers.

### Paper Properties

Item	Unit	Value	Test method
Basis Weight	g/m <sup>2</sup>	55.0±4.0	ISO 536
Thickness	µm	62±5	ISO 534
Moisture	%	6.0±1.0	ISO 287
Smoothness, Bekk	s	min. 350	ISO 5627
ISO-Brightness	%	min. 80	ISO 2470
Tensile strength (MD)	kN/m	min. 2.5	ISO 1924-2
Tensile strength (CD)	kN/m	min. 1.5	ISO 1924-2
Tear strength (MD)	mN	min. 200	ISO 1974
Tear strength (CD)	mN	min. 200	ISO 1974

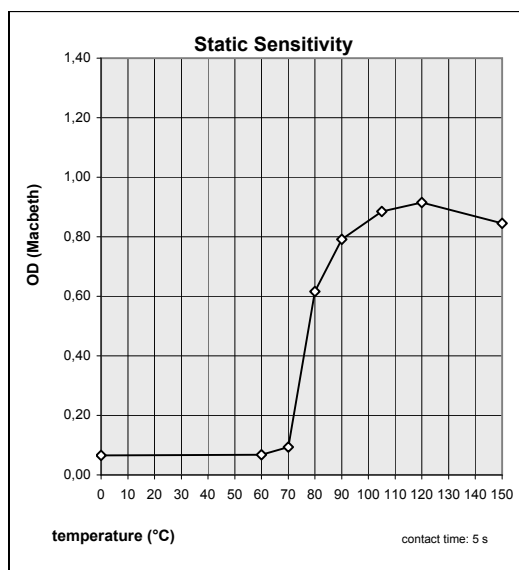
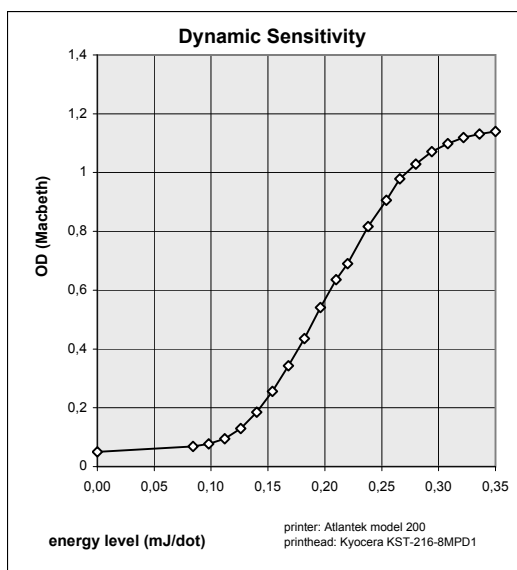
### Image Properties

Item	Unit	Value	Test method
Image color	-	black	
Dynamic sensitivity	OD	1.00±0.10	0.28 mJ/dot
Maximum density	OD	1.15 ≥ 1.10	

### Stability Properties

Item	Unit	Value	Circumstances
<b>Heat resistance:</b>			<b>60 °C, 24 h</b>
Background	OD	max. 0.20	
Image loss	OD	max. 20%	
<b>Humidity resistance:</b>			<b>40 °C, 90 % RH, 24 h</b>
Background	OD	max. 0.20	
Image loss	OD	max. 20%	
<b>Light resistance:</b>			<b>5000 lux, 100 h</b>
Background	OD	max. 0.20	
Image loss	OD	max. 10%	
<b>Stability of image &amp; printability</b>		10 years	<b>correct storage for thermal papers</b>

### Examples of Color Development Graphs



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