

# Technical Data Sheet

## AL60KT-ML

Top-coated, high sensitivity grade for demanding label, ticket, receipt and coupon use.  
Superior barrier against plasticizers, oil, fat and solvents.  
Improved heat and UV-resistance.  
Produced without using Biphenols.

### Paper Properties

Item	Unit	Value	Test method
Basis Weight	g/m <sup>2</sup>	76.0 ± 5.0	ISO 536
Thickness	µm	83 ± 5	ISO 534
Moisture	%	7.0 ± 0.5	ISO 287
Smoothness, PPS 10	µm	< 1.9	ISO 8791-4
ISO-Brightness	%	min. 82	ISO 2470:1999
Tensile strength (MD)	kN/m	min. 3.7	ISO 1924-3
Tensile strength (CD)	kN/m	min. 1.8	ISO 1924-3
Tear strength (MD)	mN	min. 320	ISO 1974
Tear strength (CD)	mN	min. 320	ISO 1974

### Image Properties

Item	Unit	Value	Test method
Image color	-	black	
Dynamic sensitivity	OD	1.25±0.05	11.7 mJ/mm <sup>2</sup>
Maximum density	OD	1.38, min.1.32	

### Stability Properties

Item	Unit	Value	Circumstances
<b>Heat resistance:</b>			<b>60 °C, 24 h</b>
Background	OD	max. 0.15	
Image loss	OD	max. 10%	
<b>Humidity resistance:</b>			<b>40 °C, 90 % RH, 24 h</b>
Background	OD	max. 0.15	
Image loss	OD	max. 10%	
<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>		12 years	<b>correct storage for thermal papers</b>

### Examples of Color Development Graphs

