

Technical Data Sheet

AL60KT-M

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 Bisphenol A.

Paper Properties

Item	Unit	Value	Test method
Basis Weight	g/m ²	72.0 ± 5.0	ISO 536
Thickness	µm	79 ± 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	0.29 mJ/dot
Maximum density	OD	1.38, min.1.32	

Stability Properties

Item	Unit	Value	Circumstances
Heat resistance:			60 °C, 24 h
Background	OD	max. 0.15	
Image loss	OD	max. 10%	
Humidity resistance:			40 °C, 90 % RH, 24 h
Background	OD	max. 0.15	
Image loss	OD	max. 10%	
Light resistance:			5000 lux, 100 h
Background	OD	max. 0.20	
Image loss	OD	max. 10%	
Stability of image & printability		12 years	correct storage for thermal papers

Examples of Color Development Graphs

