

Metalvac G

Description:

Smooth and glossy metallized paper for premium envelopes, gift bags, graphic applications and packaging.

Metalvac G 105 shields data stored in NFC/RFID tags from unauthorized reading at frequencies 13.56 MHz and 2.4-2.5 GHz. Suitable for converting to sleeves for e-passports, ID cards, payment cards, healthcare cards, etc.

End uses:

Folding materials, Retail labels, bags and packaging

Print methods:

UV offset, Flexo UV

Certificates:

- [PEFC Chain of Custody \(multisite\)](#)
- [FSC Chain of Custody \(multisite\)](#)
- [REACH regulation Lecta](#)
- [ISO 14001 Environment](#)
- [EMAS Leitza mill](#)
- [ISO 50001 Energy Efficiency](#)
- [ISO 9001 Quality](#)
- [ISO 45001 Health and Safety - Lecta](#)
- [FSSC 22000 Food Safety - Leitza](#)
- [Paper Profile Metalvac](#)

For applications that require specific certifications or approvals, please contact our sales teams.

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Technical specifications

Property	Test Method	Unit	Tolerance	105	115	130	170
Substance	ISO 536	g/m ²	± 4%	105	115	130	170
Thickness	ISO 534	µm	± 4	93	89	99	129
Gloss (silver, plain)	ISO 7668	%	105 gr ± 80 115 - 170 gr ± 20%	400	450	450	450
Absolute humidity	ISO 287	%	± 1	4.5	3,0	3,0	3,0
Relative humidity	TAPPI T502 om-89	%	105 gr ± 7 115 - 170 ± 5	47,0	40	40	40
Tensile strength MD	ISO 1924-2	kg/15mm	105gr, -0,5 115-170gr, -1,0	8	7,0	7,0	10,5
Tensile strength CD	ISO 1924-2	kg/15mm	-1,0	6	4,0	4,0	6,0
Taber stiffness MD	ISO 2493	gf*cm	±30 %	2,5	2,3	3,0	5,5
Taber stiffness CD	ISO 2493	gf* cm	±30 %	1,2	1,6	2,0	3,5

Storage recommendations: Ideally, paper should be stored at 50% (±5%) relative humidity and 23 °C (±2) and covered with original packaging. Avoid extreme temperature and humidity.

Recommendations of use: Best Before 12 months after dispatch from our factory.

Customers are responsible of their own product testing, evaluation and safety procedures.

Values are subject to change without notice.

Last update: 04/15/2026