

Product Datasheet - Technical Specifications



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SHIELDING

AARONIA SHIELD® ULTRA

70dB

Half Transparent Conductive RF Shielding-Fabric with high damping factor



Highlights:

- High damping factor of 70dB
- Non-oxidizing
- Excellent surface conductivity
- Half transparent
- Tearproof
- Lightweight

AARONIA AG
WWW.AARONIA.DE



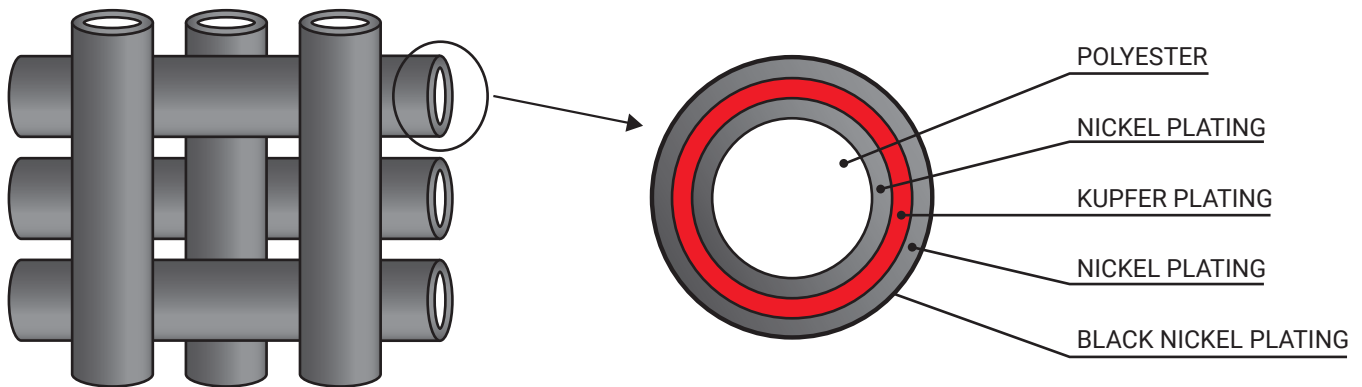
MADE IN GERMANY

Specifications

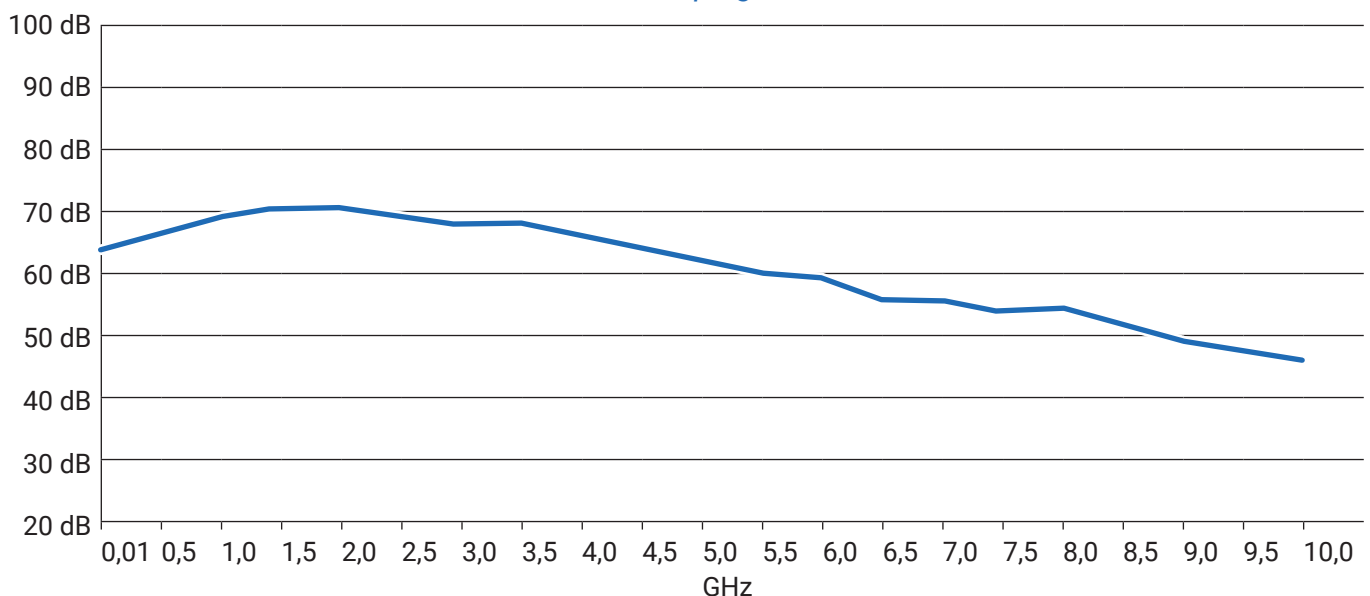
Aaronia Shield® ULTRA

Length per unit	0,9 m, 9 m, (1 m ² , 10 m ²) Also available as cut good
Lane width	1,1 m
Thickness	0,085 mm
Mesh Count/inch	200
Colour	gray
Weight	approx. 34 g/m ²
Mesh material	High-performance copper/nickel/polyester compound
Surface Resistivity Ω/sq	less than 0,1
Damping factor	65 dB at 1 MHz, 70 dB at 1 GHz and 46 dB at 10 GHz (ASTM D 4935-10 Method)

- Non-Oxidizing, outer layer of nickel for corrosion resistance
- Half transparent
- Rustproof
- Frostproof
- Tearproof
- Foldable
- Excellent surface conductivity
- Very easy to handle even for the novice



Transmission damping chart 0,01 - 10 GHz



REFERENCES



Selected Aaronia Clients

Government, Military, Aeronautic, Astronautic

- **NATO**, Belgium
- **Department of Defense (DoD)**, USA
- **Department of Defence**, Australia
- **Airbus**, Germany
- **Boeing**, USA
- **German Armed Forces**, Germany
- **NASA**, USA
- **Lockheed Martin**, USA
- **Lufthansa**, Germany
- **German Aerospace Center (DLR)**, Germany
- **Eurocontrol**, Belgium
- **EADS**, Germany
- **Drug Enforcement Administration (DEA)**, USA
- **Federal Bureau of Investigation (FBI)**, USA
- **Federal Criminal Police Office (BKA)**, Germany
- **Federal Police**, Germany
- **Ministry of Defence**, Netherlands

Research/Development, Science and Universities

- **MIT - Physics Department**, USA
- **California State University**, USA
- **Indonesian Institute of Science (LIPI)**, Indonesia
- **Los Alamos National Laboratory (LANL)**, USA
- **University of Bahrain**, Bahrain
- **University of Florida**, USA
- **University of Victoria**, Canada
- **University of Newcastle**, United Kingdom
- **University of Durham**, United Kingdom
- **University Strasbourg**, France
- **University of Sydney**, Australia
- **University of Athen**, Greece
- **University of Munich**, Germany
- **Technical University of Hamburg**, Germany
- **Max-Planck Inst. for Radio Astronomy**, Germany
- **Max-Planck Inst. for Nuclear Physics**, Germany
- **Research Centre Karlsruhe**, Germany

Industry

- **IBM**, Switzerland
- **Intel**, Germany
- **Shell Oil Company**, USA
- **ATI**, USA
- **Microsoft**, USA
- **Motorola**, Brazil
- **Audi**, Germany
- **BMW**, Germany
- **Daimler**, Germany
- **Volkswagen**, Germany
- **BASF**, Germany
- **Siemens AG**, Germany
- **Rohde & Schwarz**, Germany
- **Infineon**, Austria
- **Philips**, Germany
- **ThyssenKrupp**, Germany
- **EnBW (Energie Baden-Württemberg)**, Germany
- **CNN**, USA
- **Duracell**, USA
- **German Telekom**, Germany
- **Bank of Canada**, Canada
- **NBC News**, USA
- **Sony**, Germany
- **Anritsu**, Germany
- **Hewlett-Packard**, Germany
- **Bosch**, Germany
- **Mercedes-Benz**, Austria
- **Osram**, Germany
- **DEKRA**, Germany
- **AMD**, Germany
- **Keysight**, China
- **Infineon Technologies**, Germany
- **Philips Semiconductors**, Germany
- **Hyundai Europe**, Germany
- **VIAVI**, Korea
- **Wilkinson Sword**, Germany
- **IBM Deutschland**, Germany
- **Nokia-Siemens Networks**, Germany


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