

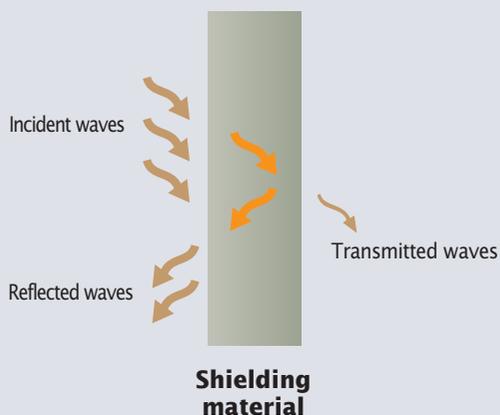
METHOD OF MEASURING EMI SHIELDING EFFECTIVENESS

PRINCIPLE

+ EMI Shielding efficiency(SE)

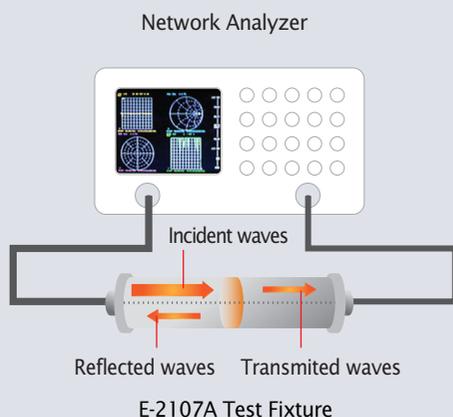
$$EMI\ SE = 10 \log \left| \frac{\text{Power of transmitted wave}}{\text{Power of incident wave}} \right| \text{ (dB)}$$

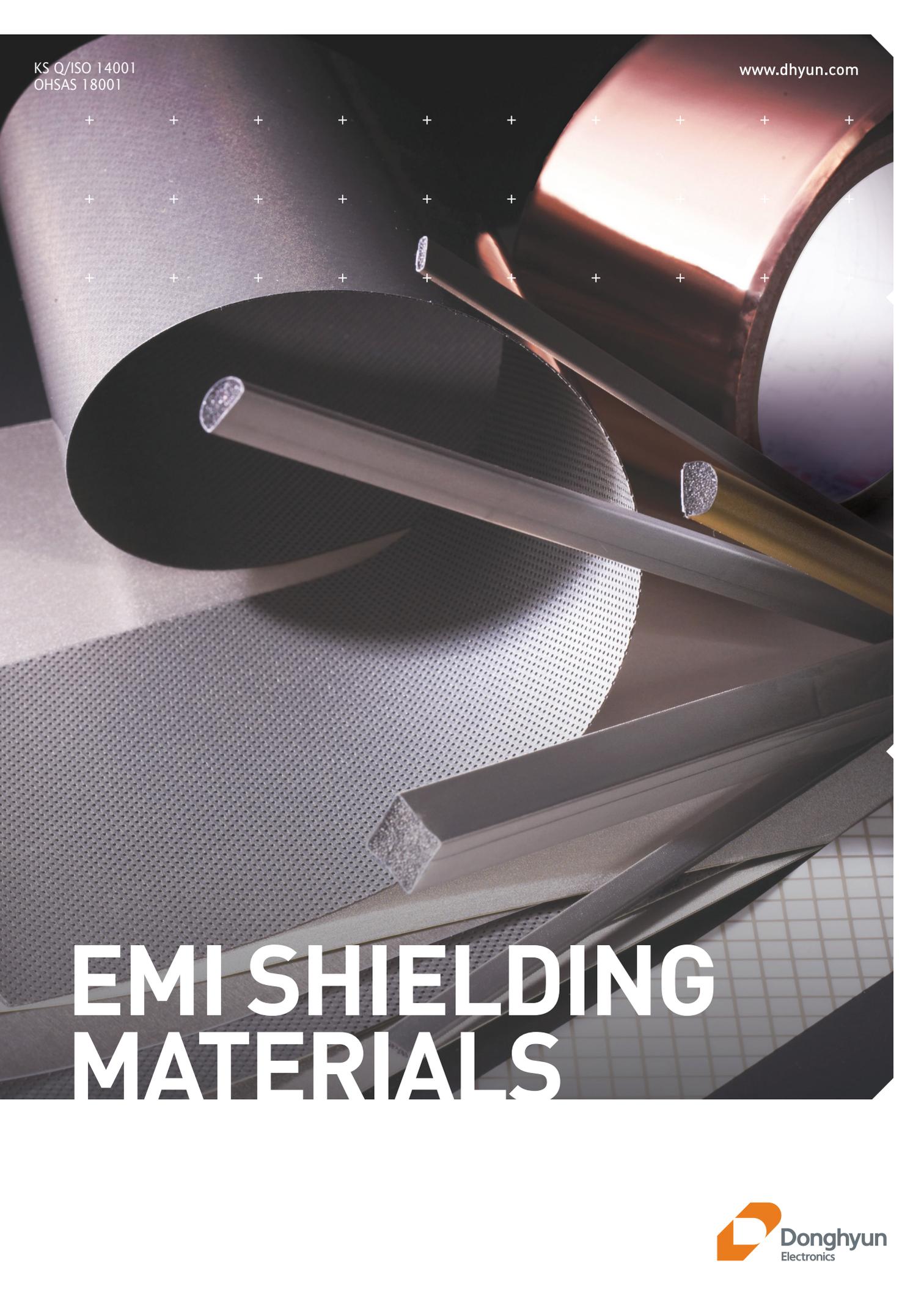
$$= SE_{\text{Reflection}} + SE_{\text{Absorption}} + SE_{\text{Multiple Reflection}}$$



CONDITIONS

- + Test method : ASTM D4935
- + Test equipment : Network Analyzer E8364A
- + Test frequency : 45MHz ~ 1.5GHz
- + Test fixture : E-2107A





EMI SHIELDING MATERIALS

EMI SHIELDING MATERIALS

One solution to electromagnetic noise in the high-tech IT industry is electromagnetic shielding material, currently commercialized for two types of shielding and grounding materials.

ABSORBING & SHIELDING TAPE

The FA Series is a product line of multi functional film performing both Electromagnetic shielding and EMI absorbing functions.

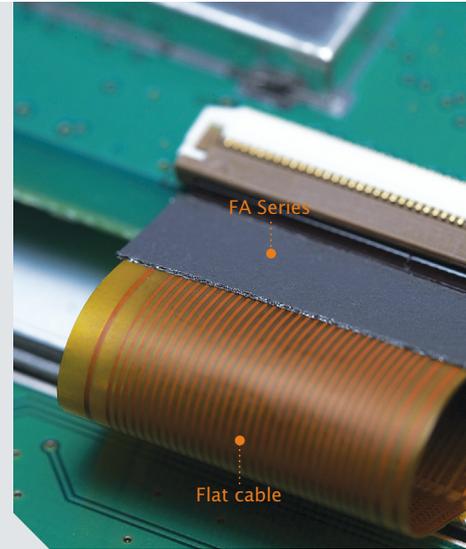
It provides EMI reliability to the data cable and helps stabilize the PCB board.

FEATURES

- + Thin film type
- + Multi functional film (shielding + absorbing)
- + Excellent absorbing ability

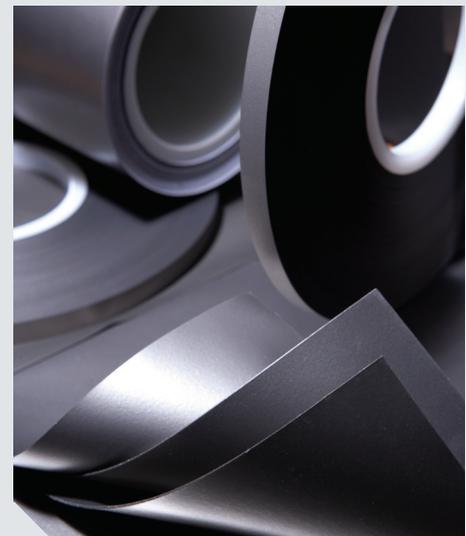
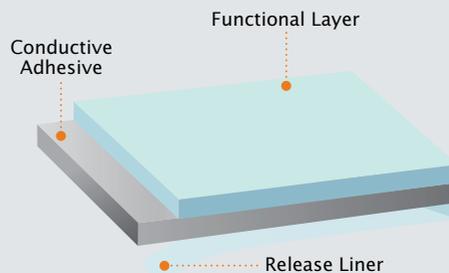
APPLICATION

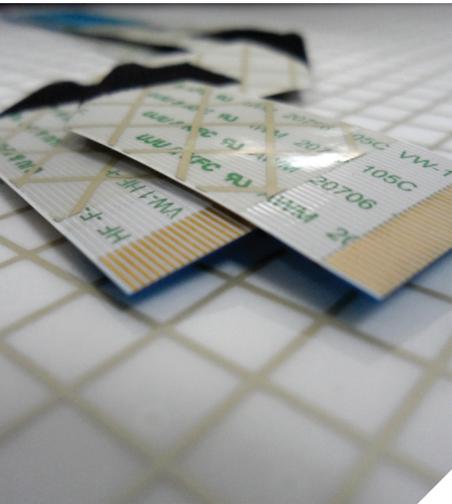
- + IC Circuits
- + Flat Cables
- + LCD Panels
- + Substitution
- + Ferrite Bead Replacement



CONDUCTIVE TAPE / ET SERIES

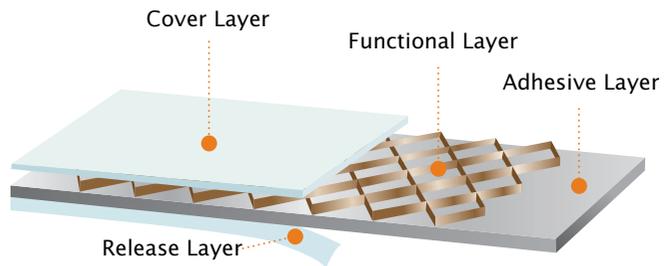
The ET Series, which has conductive adhesion on functional film, provides a variety of solutions to noise, heat, and vibrating issues.





EMI IMPEDANCE TAPE / DPR SERIES

The DPR Series is a newly developed functional film that optimizes EMC Compatibility and perfects the impedance match in high speed signal transmissions.

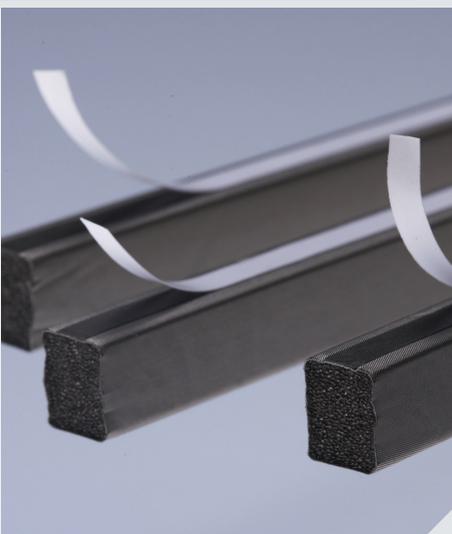
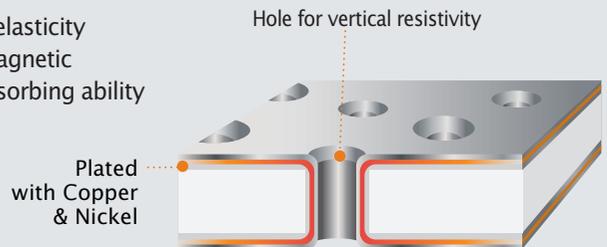


CONDUCTIVE CUSHIONS / EC SERIES

The EC Series is made of conductive sponge material and has excellent shielding and elasticity.

FEATURES

- + Excellent flexibility & elasticity
- + Outstanding Electromagnetic shielding & impact absorbing ability
- + Simplified process



FOAM GASKETS / EF SERIES

The EF Series is made of pressed elastomeric foam covered with conductive fabric and has excellent shielding and elasticity.

FEATURES

- + Fiber : polyester 100%
- + Plating : Cu, Ni
- + Electric Resistance : Below $0.05 \Omega / \square$
- + shielding efficiency: 68dB~88dB(30MHz -1GHz)

