

# Application peculiarities of magnetic materials for protection from magnetic fields

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In different materials for magnetic shields the maximum permeability is achieved at different values of the magnetic field. This determines the choice of material. So for protection from magnetic fields strength of 10 - 150 A/m is advisable to apply the amorphous ribbon 84KXCP. For stronger fields (more than 400 A/m) multilayer film shields based on Ni<sub>20</sub>Fe<sub>80</sub> should be used. Using these materials allows creating an effective shield working in a wide range of magnetic field strengths.

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