ATOK

FOR EMC ANECHOIC CHAMBERS

IB MATERIAL

This electromagnetic absorber utilizes the magnetic resonance loss characteristic of ferrite. This sintered ferrite has been baked at a temperature of over 1000°C and possesses physical properties equivalent to those of external porcelain tiles.

IB-017

This is a sintered ferrite and delivers excellent electromagnetic absorption performance particularly in the VHF band. This extremely thin electromagnetic absorber is 6 mm or less thick.

FEATURES

- This is a thin-type wide-band electromagnetic absorber.
- This is highly weather resistant.
- Can be used as building material.

PRODUCT IDENTIFICATIONS

- (1) TDK electromagnetic absorbers
- (2) Base material(B: Sintered ferrite)
- (3) Material code

PHYSICAL PERFORMANCES

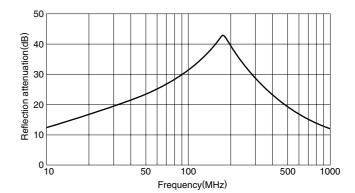
Bending strength(Pa)	1.4×10 ⁸
Tensile strength(Pa)	3.1×10 ⁹
Compression hardness(Pa)	7.8×10 ¹⁰
Termal expansion coefficient(K ⁻¹)	1.1×10 ⁻⁵
Thermal conductivity(W/(m • K))	4
Specific heat(J/(kg • K))	640

STANDARD MATERIALS

Material name	Standard dimensions (mm)	Standard weight (g)	Applications
IB-017	100×100×5.2	260	EMC anechoic chambers, VOR and others



REFLECTION ATTENUATION vs. FREQUENCY CHARACTERISTICS(Measured using coaxial tube) IB-017



[•] All specifications are subject to change without notice.

[•] It may not be allowed to export these absorbers due to Export Control regulations.