

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

I B - 017

(1) (2) (3)

- (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}
Thermal 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

