

## 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

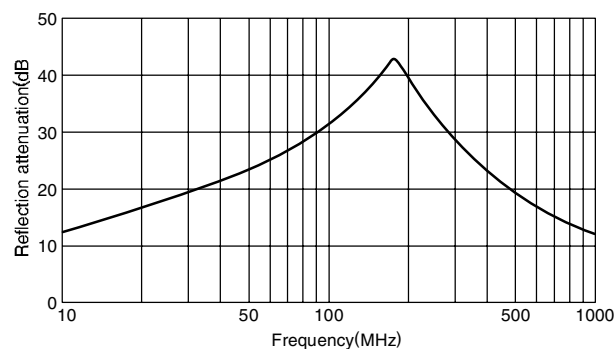
Bending strength(Pa)	$1.4 \times 10^8$
Tensile strength(Pa)	$3.1 \times 10^9$
Compression hardness(Pa)	$7.8 \times 10^{10}$
Thermal expansion coefficient(K <sup>-1</sup> )	$1.1 \times 10^{-5}$
Thermal conductivity(W/(m • K))	4
Specific heat(J/(kg • K))	640

#### 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.