

Mector® HS Series

HS Series Standard Form

Absorbent Powder

Mector® HS Standard-Series Wave-Absorbing Powder is developed by Wave Vector New Materials based on years of market demand. Produced via specially built high-efficiency production lines, it features rapid response performance. Regular stock is maintained to meet customers' urgent orders and stable supply requirements. Wave-absorbing materials made from this powder are mainly used for electromagnetic noise suppression inside 3C electronics. With excellent batch-to-batch stability, it is suitable for thin-film wave-absorbing materials with thicknesses ranging from 0.02 mm to 0.5 mm.

Product Features & Advantages

- Moderate permeability, high batch-to-batch stability, and excellent dispersibility in resins;
- Standard shelf product with fast delivery lead time;
- Halogen-free and eco-friendly, complying with EU RoHS Directive, REACH and other regulatory requirements.

Typical Applications

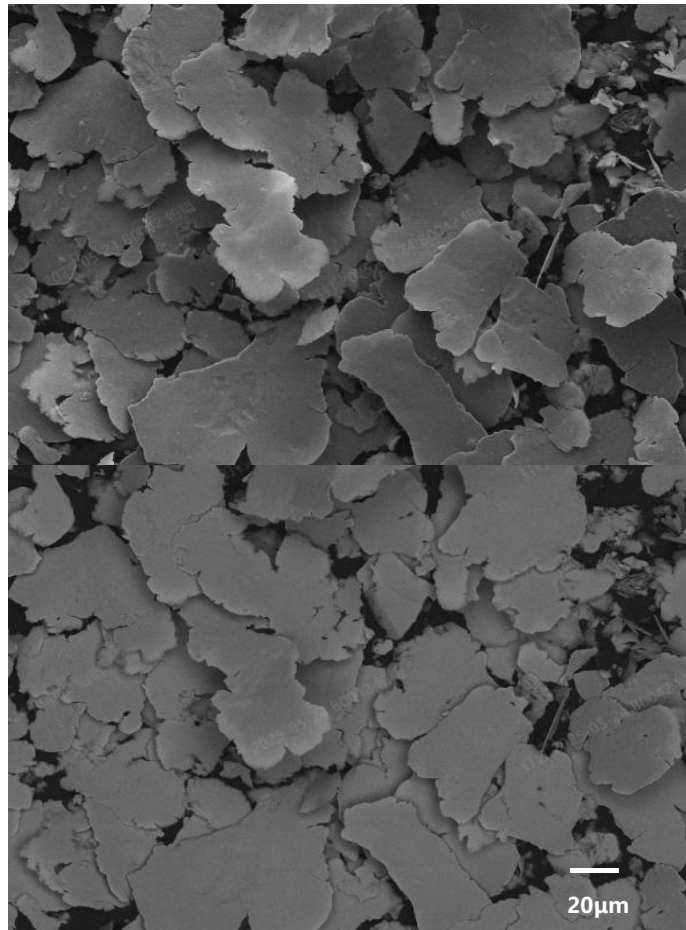
- EMI wave-absorbing films and coatings;
- Notebook GPU, CPU, DDR, motherboard (MB), SSD, OLED devices.

Supply Form

- 25 kg per drum;
- Please provide model and packaging requirements upon inquiry.

Usage Method

- Permeability is measured by preparing 100 μm -thick magnetic sheets with 50 vol.% powder loading;
- Direct application is available based on customer-specific conditions.



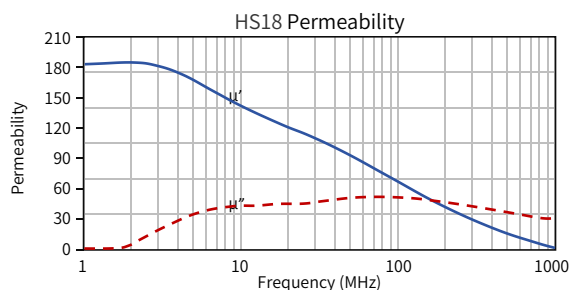
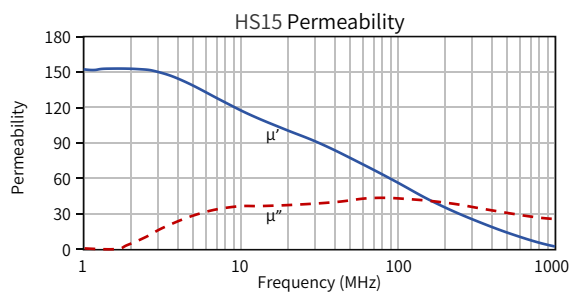
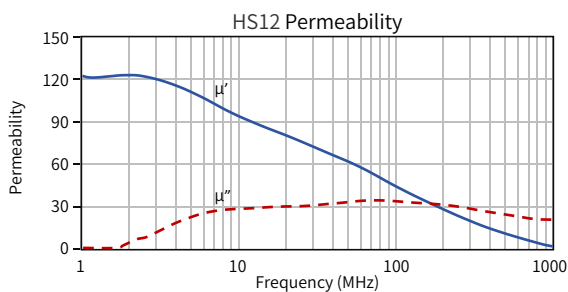
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Item	HS12	HS15	HS18	Test Standard
A.D (g/cm ³)	0.5 - 0.7	0.5 - 0.6	0.4 - 0.6	GB/T 1479.2-2011
T.D (g/cm ³)	0.8 - 1.3	0.8 - 1.3	0.8 - 1.3	GB/T 5162-2006
D10 (μm)	15 - 25	20 - 30	20 - 30	GB/T 19077.1-2008
D50 (μm)	50 - 70	60 - 80	65 - 85	GB/T 19077.1-2008
D90 (μm)	120 - 140	120 - 150	140 - 160	GB/T 19077.1-2008
Permeability μ' @3MHz	110 - 130	140 - 160	170 - 190	GB/T 32596-2016
Operating frequency (Hz)	Sub-6G	Sub-6G	Sub-6G	GB/T 32596-2016
Shipping specifications (customizable)	25 kg/barrel			
Storage conditions	5 - 40°C/ (60±10) %RH			
shelf life	36 months			

Note: The data provided is solely for the reference of design engineers. The performance mentioned above represents the performance range of the series of products. Variations may occur in different models of products and in different application environments. Engineers should conduct tests based on the actual environment.



Coding Rules

HS 12 - X

① ② ③

- ① Product category: HS=Standard type
- ② Permeability: 12=120 permeability
- ③ Special code: such as different formula systems or special requirements