肥特補科技股份有限公司
Feedpool Technology Co., Ltd

Technical Data Sheet

FeedBond® AP-40-2

Liquid insulating absorbing ink

Product description

FeedBondl® AP-40-2 It is a wave-absorption ink for printing made of special magnetic powder and polymer resin. It has the characteristics of easy printing, excellent adhesion, insulation and electromagnetic wave absorption, which is different from general shielding conductive ink.
Conductive ink will directly reflect electromagnetic waves and even cause a short circuit on the motherboard. This wave-absorption ink directly absorbs and eliminates noise, which can improve the problem of noise overclocking interference and slowdown. This liquid insulating wave-absorption ink is used for high-frequency gaming motherboards, and it can fully exert the overclocking speed.

Product characteristics

- Can absorb electromagnetic waves.
- It will not reflect electromagnetic waves and cause resonance interference.
- With insulation, it will not cause short circuit on the motherboard.

Specification

Characteristic	AP-40-2 (A)	AP-40-2 (B)	Test methodology
Appearance	Grey	Brown	Visual
Viscosity @ 25℃	20,000~40,000	1,000~2,000 cps	Brookfield DV-Ⅲ/CP-51 @5rpm
Shelf life	6 Months	6 Months	Store at 25 °C (sealed)

This table provides general test data only, if you need detailed product specifications, please contact us.

General information

1. For information on the safe handling of this product, consult the Safety Data Sheet (SDS).
2. TDS file data is tested under laboratory conditions within Fei Tefu Technology Co., Ltd.

Work items

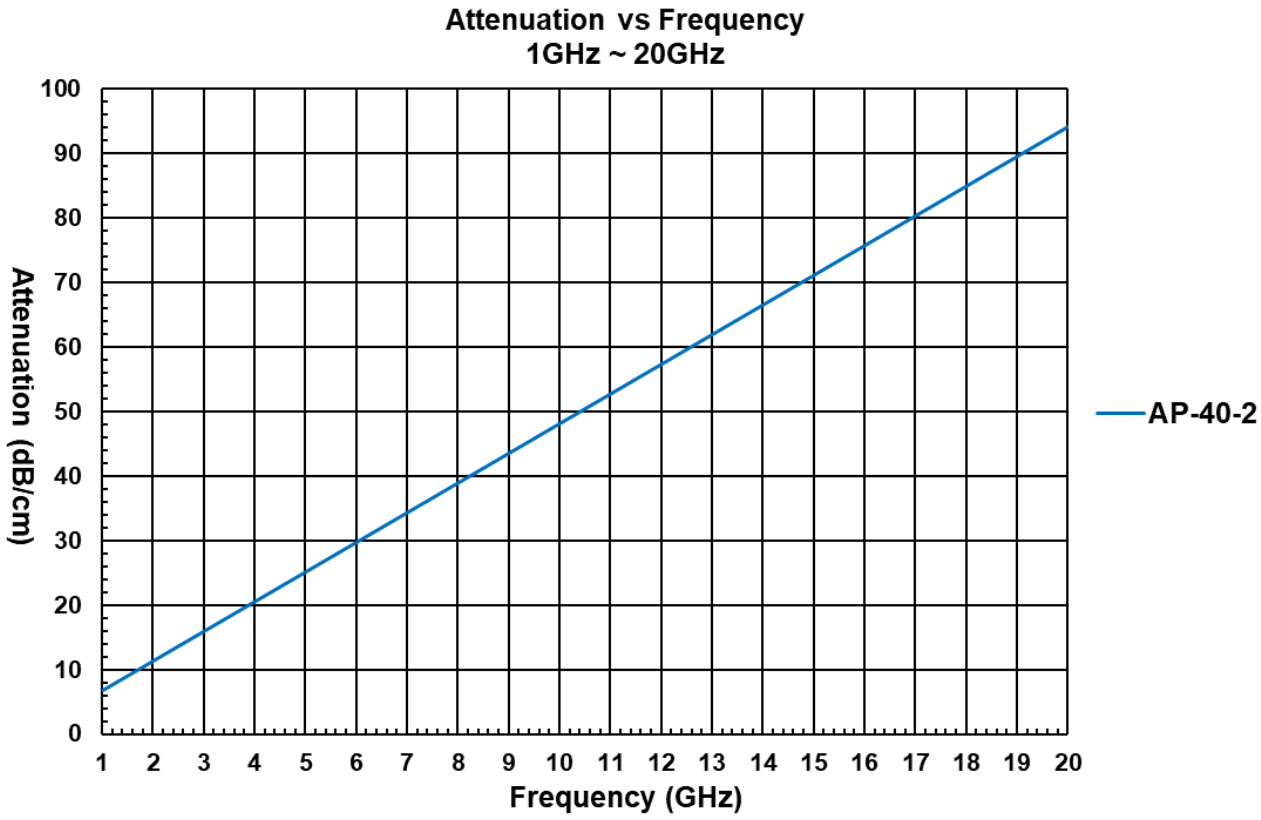
1.How to use:

- Preparation: Remove and open the bottle from room temperature.
- Agents A and B need to be mixed evenly (99: 1), mixed in equal proportions, and then put into a centrifugal mixer (revolution: rotation setting value = 1240rpm: 682rpm) and stirred for 20 seconds; Manual stirring takes 10~15 minutes to make A and B doses fully mixed.
- Due to the high solid content of the magnetic powder of this product, the surface layer of the bottle cap has a light red as a solvent, which is a normal phenomenon, and can be directly added to the B agent and stirred evenly.
- When the viscosity is too high, it can be adjusted with PGMEA diluent (propylene glycol methyl ether acetate).
- Baking temperature and time: 150°C, 30 minutes.
- In addition to the fixed mixing ratio of A and B agents, specifications such as ink viscosity, mesh number and opening can be adjusted according to the actual printing process.

2.Cleaning method:

Generally, low volatile solvents (such as ethyl acetate) can be cleaned, and if there are still residues on the mesh, solvents with low volatility and large solubility (such as acetone, ethanol) can be used. etc.), a small amount of cleaning is enough.

Diagram of electromagnetic wave ink attenuation characteristics: Attenuation 1GHz ~ 20GHz



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