



铁基非晶合金带材

Fe-based amorphous microlite alloy ribbon

性能特点:

牌号: (FeSiB相当于美国牌号2605-S2, 其它牌号可以订做)

具有高饱和磁感应强度, 高磁导率, 低矫顽力低损耗, 低激磁电流, 良好的温度稳定性和价廉等一系列优点。

Performance characteristics:

Model: (FeSiB equal to American model 2605-S2, and other models may be ordered)

It has a series of advantages of high saturated magnetic induction density, high permeability, low coercive force, low loss, low exciting current, excellent temperature stability and cheap price etc.

应用领域:

- *配电变压器铁芯
- *中频电源变压器铁芯
- *恒导电感铁芯
- *PFC功率因数校正和无气隙电感铁芯
- *脉冲变压器, 交直流互感器铁芯



Application fields:

- ◇ Iron core for distribution transformer
- ◇ Iron core for mid frequency power supply
- ◇ Iron core for constant induction
- ◇ Iron core for PFC power factor correction and no-gap inductance
- ◇ Iron core for pulse transformer and AC/DC mutual induction

典型性能:

Typical performance:

铁基非晶合金的物理性能

The physical property of Fe-based amorphous microlite alloy

牌号 Model	饱和磁感应强度 Bs (T) Saturated magnetic induction density Bs(T)	居里温度 Tc (°C) Curic temperature Tc(°C)	晶化温度 Tx (°C) Crystallization temperature Tx(°C)	密度 ρ (g/cm ³) Density ρ (g/cm ³)	电阻率 Ω μ . cm Resistivity Ω μ . cm	饱和磁致伸缩系数 λ s Saturated magnetostrictive coefficient λ s	连续工作温度 (°C) Continuously working temperature °C
HX-AM1	1.56	410	470	7.3	130	27×10 ⁻⁶	-55~130

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铁基合金的电磁性能: (无磁场退火)

The electromagnetism performance of Fe-based alloy: (annealing without magnetic field)

牌号 Model	最大磁导率 Um (Gs/Oe) Maximum Permeability Um(Gs/Oe)	饱和磁感强度 Bs (T) Saturated induction density Bs(T)	剩余饱和磁场感应强度 Br (T) Residual saturated magnetic inductance strength Br(T)	矫顽力 Hc (A/m) Coercive force Hc(A/m)	铁芯损耗 P (w/kg) 50Hz/1.4T Iron core loss P(w/kg) 50Hz/1.4T	铁芯损耗 P (w/kg) 400Hz/1.2T Iron core loss P(w/kg) 400Hz/1.2T
HX-AM1	20×10 ⁴	1.56	~0.8	<4A/m	<0.25	<2

铁基非晶合金带材规格:

Fe-based amorphous microlite alloy ribbon specification:

牌号 Model	带材宽度mm Width of ribbon mm	带材厚度um Thickness of ribbon um
HX-AM1-003.2	3.2±0.2	28±5
HX-AM1-004.5	4.5±0.2	28±5
HX-AM1-005.0	5.0±0.2	28±5
HX-AM1-006.5	6.5±0.3	28±5
HX-AM1-008.0	8.0±0.3	28±5
HX-AM1-0010	10.0±0.5	28±5
HX-AM1-0012	12.0±0.5	28±5
HX-AM1-0015	15.0±0.5	28±5
HX-AM1-0020	20.0±0.5	28±5
HX-AM1-0025	25.0±0.5	28±5
HX-AM1-0030	30.0±0.5	28±5
HX-AM1-0035	35.0±0.5	28±5
HX-AM1-0040	40.0±0.5	28±5

△ 其它各种规格带材可根据客户订做 (2~100mm)

Other specifications of ribbon may be ordered according to requirements of clients (2~100 mm)