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聞達國際有限公司

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鐵氧體永磁 ※HARD FERRITE MAGNETS

磁特性表

MATERIAL CHARACTERISTICS

| 材料牌號 (Grade) | | 剩磁 (Br) | 矯頑力 (Hcb) | 內稟矯頑力 (Hcj) | 最大磁能積 (BH)max | 材料 (Material) | 應用 (Application) |
|----------------------------|-------------|-------------|--------------|------------------------|--------------------------|---------------------------------------|-------------------------------|
| 等方性 (ISOTROPIC) | MML-1A | 200~235mT | 135~160kA/m | 210~250kA/m | 7.1~9.0kJ/m ³ | BaO · 6Fe ₂ O ₃ | 微電機 (Micro Motor) |
| | | 2000~2350Gs | 1697~2011Oe | 2640~3143Oe | 0.9~1.1MGOe | SrO · 6Fe ₂ O ₃ | 玩具(Toys) |
| 乾式異方性 (Dry-anisotropic) | MML-2A | 340~360mT | 215~240kA/m | 235~270kA/m | 21~24kJ/m ³ | SrO · 6Fe ₂ O ₃ | 文具(Stationary) 吸力器(Holder) |
| | | 3400~3600Gs | 2703~3017Oe | 2954~3394Oe | 2.6~3.0MGOe | | |
| | MML-2C | 350~380mT | 228~252kA/m | 235~265kA/m | 24~28kJ/m ³ | SrO · 6Fe ₂ O ₃ | 微電機 (Micro Motor) |
| | | 3500~3800Gs | 2866~3618Oe | 2954~3331Oe | 3.0~3.5MGOe | | |
| MML-2D | 365~395mT | 228~252kA/m | 235~265kA/m | 24~28kJ/m ³ | SrO · 6Fe ₂ O | | |
| | 3650~3950Gs | 2891~3268Oe | 2954~3457Oe | 3.3~3.8MGOe | | | |
| 濕性異方性 (Wet-anisotropic) | MML-3 | 330~360mT | 230~260kA/m | 235~270kA/m | 21~25kJ/m ³ | SrO · 6Fe ₂ O | 家用電器 (Household Appliance) |
| | | 3300~3600Gs | 2891~3268Oe | 2954~3394Oe | 2.6~3.1MGOe | | |
| | MML-4A | 375~400mT | 250~274kA/m | 260~285kA/m | 27~31kJ/m ³ | SrO · 6Fe ₂ O | 辦公自動化設備 (OA Facilities) |
| | | 3750~4000Gs | 3143~3440Oe | 3268~3582Oe | 3.4~3.9MGOe | | |
| | MML-4B | 385~405mT | 220~250kA/m | 230~260kA/m | 29~31.8kJ/m ³ | SrO · 6Fe ₂ O | 電動工具 (Electric Tools) |
| | | 3850~4050Gs | 2765~3143Oe | 2891~3268Oe | 3.6~4.0MGOe | | |
| | MML-5A | 360~380mT | 260~285kA/m | 310~335kA/m | 25~29kJ/m ³ | SrO · 6Fe ₂ O | |
| | | 3600~3800Gs | 3268~3582Oe | 3897~4211Oe | 3.1~3.6MGOe | | |
| MML-5B | 330~360mT | 260~285kA/m | 330~360kA/m | 24~27kJ/m ³ | SrO · 6Fe ₂ O | | |
| | 3300~3600Gs | 3268~3582Oe | 4148~4525Oe | 3.0~3.4MGOe | | | |

其他物理特性

OTHER PHYSICAL CHARACTERISTICS

| | 居里點 (Curie Temperature) | 比熱 (Specific Heat) | 電阻 (Electrical Resistance) | 燒結密度 (Sintered Density) | 工作點溫度係數 (Temperature Coefficient) | T 抗彎強度 (Deflective Strength) | 熱膨脹係數 (Linear Expansion) | |
|-----------------------|----------------------------|-----------------------|-------------------------------|----------------------------|--------------------------------------|---------------------------------|-----------------------------|-----------------------|
| 單位(Unit) | °C | Cal/g.°C | Ω . cm | g/cm ³ | %/°C | Kgf/mm ² | c//* | c [⊥] * |
| 數值 (Numeric Value) | 450~460 | 0.15~0.2 | >10 ⁴ | 4.7~5.1 | -0.2 | 5~10 | 14~15x10 ⁻⁶ | 9~10x10 ⁻⁶ |

*C//: 平行於取向方向 Anisotropic direction

*C[⊥]: 垂直於取向方向 At right angles to the anisotropic direction

所有的參數都可能被修改，修改時將不另行通知



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|----------------------------|-------------|-----------------|-----------------|----------------------------|----------------------------|---------------------------------------|---------------------|
| 濕性異方性 (Wet-anisotropic) | MML-5X | 400~420mT | 240~270kA/m | 250~275kA/m | 30~34kJ/m ³ | BaO · 6Fe ₂ O ₃ | |
| | | 4000~4200Gs | 3017~3394Oe | 3142~3457Oe | 3.8~4.3MGOe | SrO · 6Fe ₂ O ₃ | |
| | MML-5XH | 395~415mT | 265~285kA/m | 270~290kA/m | 31~34kJ/m ³ | SrO · 6Fe ₂ O ₃ | |
| | | 3950~4150Gs | 3331~3582Oe | 3394~3645Oe | 3.9~4.3MGOe | | |
| | MML-5N | 420~440mT | 215~240kA/m | 218~245kA/m | 33~37kJ/m ³ | SrO · 6Fe ₂ O ₃ | |
| | | 4200~4400Gs | 2703~3017Oe | 2740~3080Oe | 4.1~4.6MGOe | | |
| | MML-5H | 380~400mT | 275~300kA/m | 300~330kA/m | 27~32kJ/m ³ | SrO · 6Fe ₂ O | |
| | | 3800~4000Gs | 3457~3771Oe | 3771~4148Oe | 3.4~4.0MGOe | | |
| | MML-5E | 350~375mT | 265~295kA/m | 355~380kA/m | 24~27kJ/m ³ | SrO · 6Fe ₂ O | |
| | | 3500~3750Gs | 3331~3708Oe | 4462~4777Oe | 3.0~3.4MGOe | | |
| | MML-6E | 370~390mT | 278.6~302.4kA/m | 382~405.8kA/m | 25.9~29.1kJ/m ³ | SrO · 6Fe ₂ O | |
| | | 3700~3900Gs | 3502~3801Oe | 4802~5101Oe | 3.3~3.7MGOe | | |
| | MML-6B | 410~430mT | 291.1~314.9kA/m | 306.1~329.9kA/m | 31.8~35kJ/m ³ | SrO · 6Fe ₂ O | |
| | | 4100~4300Gs | 3659~3958Oe | 3848~4147Oe | 4.0~4.4MGOe | | |
| MML-6H | 390~410mT | 290.5~314.5kA/m | 346.2~370kA/m | 28.7~31.9kJ/m ³ | SrO · 6Fe ₂ O | | |
| | 3900~4100Gs | 3652~3951Oe | 4352~4651Oe | 3.6~4.0MGOe | | | |
| MML-6N | 430~450mT | 246.7~270.5kA/m | 250.7~274.5kA/m | 35.1~38.3kJ/m ³ | SrO · 6Fe ₂ O | | |
| | 4300~4500Gs | 3101~3400Oe | 3151~3450Oe | 4.4~4.8MGOe | | | |

注: 採用 φ25x6 樣品進行測試

其他物理特性

OTHER PHYSICAL CHARACTERISTICS

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