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Typical Magnetic Properties of Sintered AlNiCo Magnets (烧结铝镍钴磁铁典型磁性能表)

| 类别 Item | 牌号 Grade | 剩磁 Remanence induction | | 矫顽力 Coercive force | | 内禀矫顽力 Intrinsic Coercive force | | 最大磁能积 Maximum Energy product | | 工作温度 Working Temperature | 密度 Density | 备注 Remark |
|--------------------------|--------------|---------------------------|-----------|-----------------------|-----------|-----------------------------------|-----------|---------------------------------|-----------|-----------------------------|-------------------|---------------------|
| | | B_r | | H_{CB} | | H_{CJ} | | $(BH)_{max}$ | | T_w | ρ | |
| | | T | KGs | kA/m | KOe | KA/m | KOe | KJ/m ³ | MGOe | °C | g/cm ³ | |
| 烧结铝镍钴 Sintered AlNiCo | PAlNiCo10/5 | 0.60-0.63 | 6.0-6.3 | 48-52 | 0.60-0.65 | 52-56 | 0.65-0.7 | 8-10 | 1.00-1.25 | ≤450 | 6.8 | 各向同性 Isotropic |
| | PAlNiCo12/5 | 0.70-0.75 | 7.0-7.5 | 48-56 | 0.60-0.70 | 52-58 | 0.65-0.73 | 11-13 | 1.4-1.6 | ≤450 | 7.0 | |
| | PAlNiCo14/8 | 0.55-0.60 | 5.5-6.0 | 75-91 | 0.95-1.15 | 80-95 | 1.0-1.2 | 14-16 | 1.75-2.0 | ≤550 | 7.0 | |
| | PAlNiCo20/10 | 0.60-0.64 | 6.0-6.4 | 93-110 | 1.16-1.38 | 100-118 | 1.25-1.4 | 18.0-22.4 | 2.25-2.8 | ≤550 | 7.0 | |
| | PAlNiCo28/6 | 1.0-1.12 | 10.0-11.2 | 56-64 | 0.7-0.8 | 58-66 | 0.73-0.83 | 28-32 | 3.5-4.0 | ≤550 | 7.2 | |
| | PAlNiCo34/5 | 1.15-1.23 | 11.5-12.3 | 48-56 | 0.60-0.70 | 49-57 | 0.62-0.72 | 32-36 | 4.0-4.5 | ≤550 | 7.2 | 各向异性 Anisotropic |
| | PAlNiCo37/5 | 1.19-1.27 | 11.9-12.7 | 48-56 | 0.60-0.70 | 49-57 | 0.62-0.72 | 36-38 | 4.4-4.8 | ≤550 | 7.2 | |
| | PAlNiCo40/5 | 1.22-1.26 | 12.2-12.6 | 50-56 | 0.62-0.7 | 51-57 | 0.64-0.72 | 38-40 | 4.8-5.0 | ≤550 | 7.2 | |
| | PAlNiCo40/10 | 0.95-1.0 | 9.5-10.0 | 100-110 | 1.25-1.38 | 104-114 | 1.3-1.43 | 40-44 | 5.0-5.5 | ≤550 | 7.1 | |
| | PAlNiCo38/11 | 0.80-0.85 | 8.0-8.5 | 111-121 | 1.40-1.52 | 114-125 | 14.3-15.7 | 38-40 | 4.8-5.0 | ≤550 | 7.1 | |
| | PAlNiCo36/15 | 0.70-0.75 | 7.0-7.5 | 140-160 | 1.75-2.0 | 154-174 | 1.93-2.18 | 36-45 | 4.5-5.6 | ≤550 | 7.0 | |
| | PAlNiCo40/16 | 0.7-0.75 | 7.0-7.5 | 160-175 | 2.0-2.2 | 174-189 | 2.18-2.37 | 40-44 | 5.0-5.5 | ≤550 | 7.0 | |
| | PAlNiCo40/12 | 0.83-0.90 | 8.3-9.0 | 120-132 | 1.50-1.65 | 124-136 | 1.57-1.71 | 40-44 | 5.0-5.5 | ≤550 | 7.1 | |
| | PAlNiCo45/13 | 0.89-0.91 | 8.9-9.1 | 120-132 | 1.50-1.65 | 126-138 | 1.58-1.73 | 44-50 | 5.5-6.2 | ≤550 | 7.1 | |