

Specifications

These cube magnets are 0.125"(3.2mm) Long x 0.125"(3.2mm) Wide x 0.125"(3.2mm) Thick. They are magnetized through the thickness. They are composed of grade 40 neodymium iron boron magnetic material and are plated in nickel-copper-nickel for a shiny corrosion resistant finish. Their individual pull force is approximately 1.5 lbs. Maximum working temperature is 176 F (80 C).



Part Number	NSN0570
Imperial Dimensions	0.125 inch long x 0.125 inch wide x 0.125 inch thick
Metric Dimensions	3.175mm long x 3.175mm wide x 3.175mm thick
Material	Sintered Neodymium-Iron-Boron (NdFeB)
Shape	Cube
Plating	Ni-Cu-Ni (Nickel)
Magnetization Direction	Thickness
Grade	N40
Pull Force	1.51[685]
Surface Field	4123
Packaging	Magpak Tube
UPC	897970000709
Magnet Quantity	100
Brand	Magcraft
Maximum Operating Temperature	80 Deg C (176 Deg F)
Maximum Energy Product Bhmax (MGOe (kJ/m3))	38-41 [302-326]
Remanent Flux Density Br (kG (T))	12.5-12.8 [1.25-1.28]
Coercivity HcB (kOe (kA/m))	≥11.3 [≥923]
Intrinsic Coercivity Hcj (kOe (kA/m))	≥12.0 [≥995]
Dimensional Tolerance	+/-0.005"
Density ρ (g/cm3)	≥7.45
Compression Strength (Mpa)	600-1200
Bending Strength (Mpa)	150-380
Vickers Hardness (HV)	460-660
Recoil Permeability (μrec)	1.05
Electrical Resistance (Ω·mm2/m)	1.25-1.55
Curie Temperature Tc (°C)	310
Thermal Expansion Coefficient 100°C // (x10 ⁻⁶ /K)	6
Thermal Expansion Coefficient 100°C ⊥ (x10 ⁻⁶ /K)	-1

