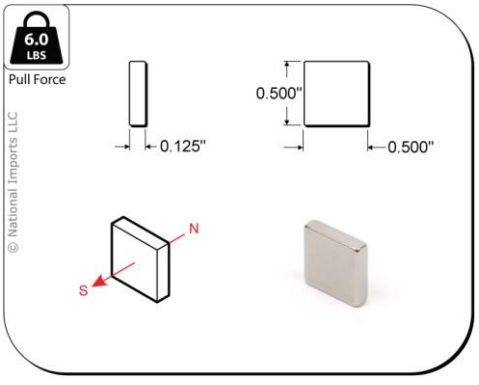
NSN0911

Package of 10

Specifications

These block magnets are 0.500 inch (12.7mm) long, 0.500 inch (12.7mm) wide and 0.125 inch (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 6 lbs. Maximum working temperature is 176 F (80 C).

Part Number	NSN0911
Imperial Dimensions	0.5 inch long x 0.5 inch wide x 0.125 inch thick
Metric Dimensions	12.7mm long x 12.7mm wide x 3.175mm thick
Material	Sintered Neodymium-Iron-Boron (NdFeB)
Shape	Block
Plating	Ni-Cu-Ni (Nickel)
Magnetization Direction	Thickness
Grade	N40
Pull Force	6.03[2735]
Surface Field	3120
Packaging	Magpak Tube
UPC	875661002119
Magnet Quantity	10
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



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