

Specifications

These rod magnets are 0.375 inch (9.5mm) diameter and 0.375 inch (9.5mm) long. They are magnetized through the length. 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 12 lbs. Max Working Temperature - 176 F (80 C).



Part Number	NSN0567
Imperial Dimensions	0.375 inch diameter x 0.375 inch long
Metric Dimensions	9.525mm diameter x 9.525mm long
Material	Sintered Neodymium-Iron-Boron (NdFeB)
Shape	Rod
Plating	Ni-Cu-Ni (Nickel)
Magnetization Direction	Length
Grade	N40
Pull Force	11.53[5230]
Surface Field	5014
Packaging	Magpak Tube
UPC	897970000679
Magnet Quantity	8
Brand	Magcraft
Maximum Operating Temperature	80 Deg C (176 Deg F)
Maximum Energy Product Bhmax (MGOe (kJ/m ³))	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/cm ³)	≥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·mm ² /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

