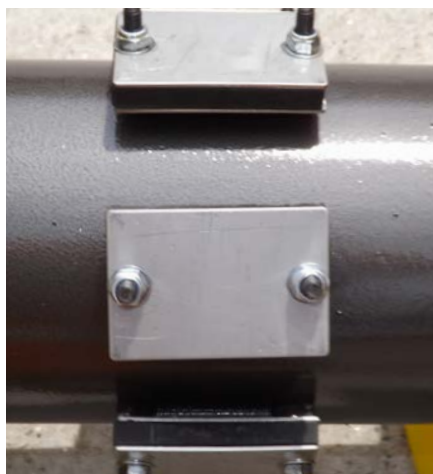


HIGH PERFORMANCE MAGNET

Grade 35 is an Anisotropic magnet material based on Neodymium Rare Earth Metal with typical characteristics as detailed overleaf. Magnets supplied are manufactured in this grade and are supplied Zinc coated to prevent undesired oxidation. Propipe do not use any other magnet.



Phone: +44 (0)1429 872 927

Web: propipe.co.uk

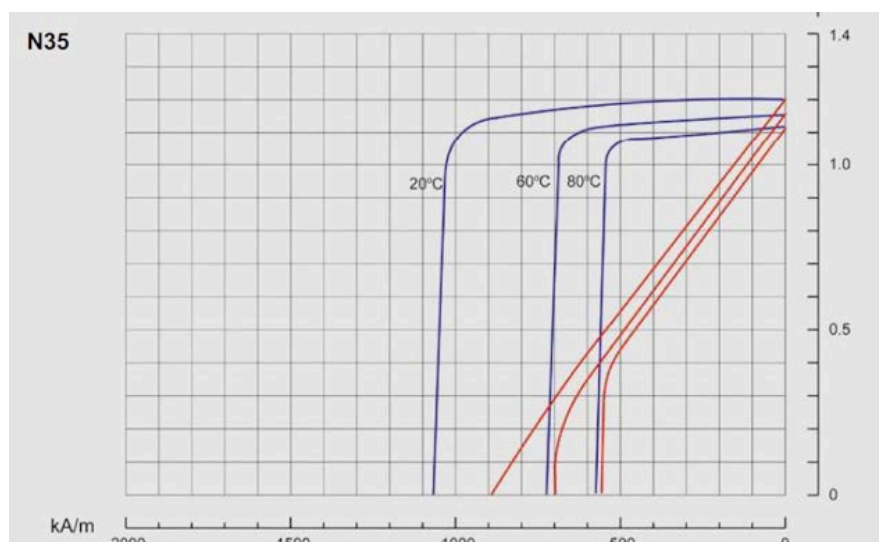


Magnet Physical Characteristics (@ 20°C)

CHARACTERISTIC	VALUE
Temp. Coeff. Of Br	0.11%/°C
Density	7.5/cm ³
Vickers Hardness	600Hv
Tensile Strength	8.0kg/mm ²
Specific Heat	0.12 kcal/(kg,°C)
Young's Modulus	1.6 × 10 ¹¹ N/m ²
Poisson's Ratio	0.24
Curie Temperature	310–340°C
Temp. Coeff of iHc	0.60%/°C
Electrical Resistivity	144 μΩ.cm
Flexural Strength	25kg/mm
Coeff. Of Thermal Expansion	4×10 ⁻⁶ /°C
Thermal Conductivity	7.7 kcal/(m.h. °C)
Rigidity	0.64N/m ²
Compressibility	9.8 × 10 ⁻¹² m ² /N

Typical Pig Mounting

Magnet fully housed and protected by cover plate, secured using Nyloc nuts



Neodymium Iron Boron Grade 35
- Demagnetisation curve

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