



FULLY DENSE ISOTROPIC HOT PRESSED NdFeB RINGS (IHP)

La Br più elevata fra i magneti isotropi. Eccellente resistenza alla corrosione, facilità di montaggio e magnetizzazione anche in configurazione Halbach

Typical magnetic properties

Grade	Residual Induction (Br)		Coercivity (bHC)		Intrinsic Coercivity (jHC)		Max Energy Product (BH)max		Temperature Coefficient $\Delta \% / \cdot ^\circ\text{C}^{-1}$	
	KGs	T	KOe	KA/m	KOe	KA/m	MGOe	KJ/m3	Br	jHC
IHP-17R	8.50 - 9.10	0.85 - 0.91	7.20 - 7.80	575 - 620	10.0 - 18.0	1120 - 1440	16 - 18	125 - 145	- 0.10	- 0.50
IHP-16HR	8.20 - 8.80	0.82 - 0.88	7.00 - 7.60	560 - 610	16.0 - 20.0	1280 - 1600	15 - 17	120 - 135	- 0.10	- 0.50
IHP-16SHR	8.00 - 8.60	0.80 - 0.86	7.10 - 7.70	565 - 615	21.0 - 23.0	1680 - 1840	14.5 - 16.5	115 - 135	- 0.10	- 0.50

Note: The above properties are not guaranteed for any size. Pls contact us for details

Other typical properties

Curie Temperature	Specific heat	Recoil Permeability	Minimum saturation field
$^\circ\text{C}$	J/KJ $^\circ\text{C}$	1.05	KA/m > 1990 (>2390 for SHR grades)
360	550		KOe > 25 (> 30 for SHR grades)
Density	Coefficient of thermal expansion	Thermal conductivity	Electric resistivity
g/cm3	X 10-6 $^\circ\text{C}$ (20 < 200)	W/m $^\circ\text{C}$	X 10-6 ohm/m
7.6 < 7.7	1 < 2 radially 0 < 1 axially	4.8	135
Crushing Strenght (ring)	Bending Strenght	Young's Module	Vickers Hardness
Mpa	Mpa	Mpa	HV
150	200	150000	750

Note: The above properties are measured on samples and cannot be guaranteed for any size. Pls contact us for details