

SINTERED CERMAIC MAGNETS

Typical Magnetic Properties

Grade	Max. Energy Product		Remanence		Coercive Force				Curie Temp.
	(BH) _{max}		B _r		H _c		H _{ci}		T _c
	MGOe	kJ/m ³	kG	mT	kOe	kA/m	kOe	kA/m	°C
1A	0.9-1.1	7.1-9.0	2.0-2.4	200-235	1.6-2.0	135-160	2.8-3.1	210-250	450
2A	2.7-3.0	21.0-24.0	3.4-3.6	340-360	2.7-3.0	215-240	2.9-3.4	235-270	450
3	2.7-3.0	21.0-24.0	3.4-3.6	340-360	2.8-3.0	220-240	3.0-3.5	240-280	450
4A	3.5-3.8	27.7-30.0	3.8-4.0	375-400	3.0-3.2	240-260	3.2-3.5	250-280	450
4B	3.7-4.1	29.0-31.8	3.9-4.1	390-410	2.5-3.0	200-240	2.8-3.2	224-254	450
5A	3.0-3.2	23.5-25.2	3.5-3.7	350-370	3.2-3.5	254-280	3.9-4.2	310-335	450
5B	3.0-3.2	23.5-25.2	3.3-3.6	330-360	3.3-3.5	260-280	4.2-4.5	330-360	450
5X	4.0-4.4	31.8-35.0	4.1-4.3	410-430	3.2-3.5	251-275	3.2-3.5	255-279	450
5N	4.4-4.8	35.1-38.3	4.3-4.5	430-450	2.7-3.0	215-239	2.7-3.0	217-241	450
5H	3.7-4.1	29.5-32.7	4.0-4.2	395-415	3.6-3.9	287-310	3.9-4.2	310-343	450
5E	3.1-3.5	24.7-27.9	3.6-3.8	360-380	3.4-3.7	271-295	4.8-5.1	382-406	450

ISO 9002 Quality Standard Certified
Special properties can be achieved with custom method.

Physical and Mechanical Properties

Compressive Strength	1.4 x 10 ⁴ kg/cm ²
Required Magnetizing Field	12,000 - 15,000 Oe
Electrical Resistivity	> 10 ⁴ μ-ohm-cm/cm ²
Density	4.7-5.0 g/cm ³
Recoil Permeability	1.05 μ _r
Rev. Temp. Coeff.	-0.20 %/°C