

按 Esc 即可退出全屏模式

**MMPA STANDARD**  
**No. 0100-00**



STANDARD SPECIFICATIONS  
FOR  
**PERMANENT  
MAGNET  
MATERIALS**

**MAGNETIC MATERIALS PRODUCERS ASSOCIATION**  
8 SOUTH MICHIGAN ANENUE • SUITE 1000 • CHICAGO, ILLINOIS 60603

TABLE III-1  
TYPICAL MAGNETIC PROPERTIES AND CHEMICAL  
COMPOSITION OF CERAMIC MAGNET MATERIALS

MMPA Brief Designation	Original MMPA Class	IEC Code Reference	Chemical Composition (M represents Barium, Strontium or combination of the two.)	Magnetic Properties						
				Max. Energy Product (BH) <sub>max</sub> (MGOe)	Residual Induction B <sub>r</sub> (gauss)	(mT)	Coercive Force H <sub>c</sub> (oersteds)	(kA/m)	Intrinsic Coercive Force H <sub>ci</sub> (oersteds)	(kA/m)
1.0/3.3	Ceramic 1	SI-0-1	MO • 6Fe <sub>2</sub> O <sub>3</sub>	1.05	2300	230	1860	150	3250	260
3.4/2.5	Ceramic 5	SI-1-6	MO • 6Fe <sub>2</sub> O <sub>3</sub>	3.40	3800	380	2400	190	2500	200
2.7/4.0	Ceramic 7	SI-1-2	MO • 6Fe <sub>2</sub> O <sub>3</sub>	2.75	3400	340	3250	260	4000	320
3.5/3.1	Ceramic 8	SI-1-5	MO • 6Fe <sub>2</sub> O <sub>3</sub>	3.50	3850	385	2950	235	3050	245
3.4/3.9	-	-	MO • 6Fe <sub>2</sub> O <sub>3</sub>	3.40	3800	380	3400	270	3900	310
4.0/2.9	-	-	MO • 6Fe <sub>2</sub> O <sub>3</sub>	4.00	4100	410	2800	225	2900	230
3.2/4.8	-	-	MO • 6Fe <sub>2</sub> O <sub>3</sub>	3.20	3700	370	3500	280	4800	380
3.8/4.0	-	-	MO • 6Fe <sub>2</sub> O <sub>3</sub>	3.80	4000	400	3650	290	4000	320

NOTE FOR ALL MATERIALS:

Recoil Permeability Range --1.05 to 1.2

To achieve the properties shown in this table, care must be taken to magnetize to Saturation (typically 10,000 to 15,000 oersteds minimum depending on material grade).