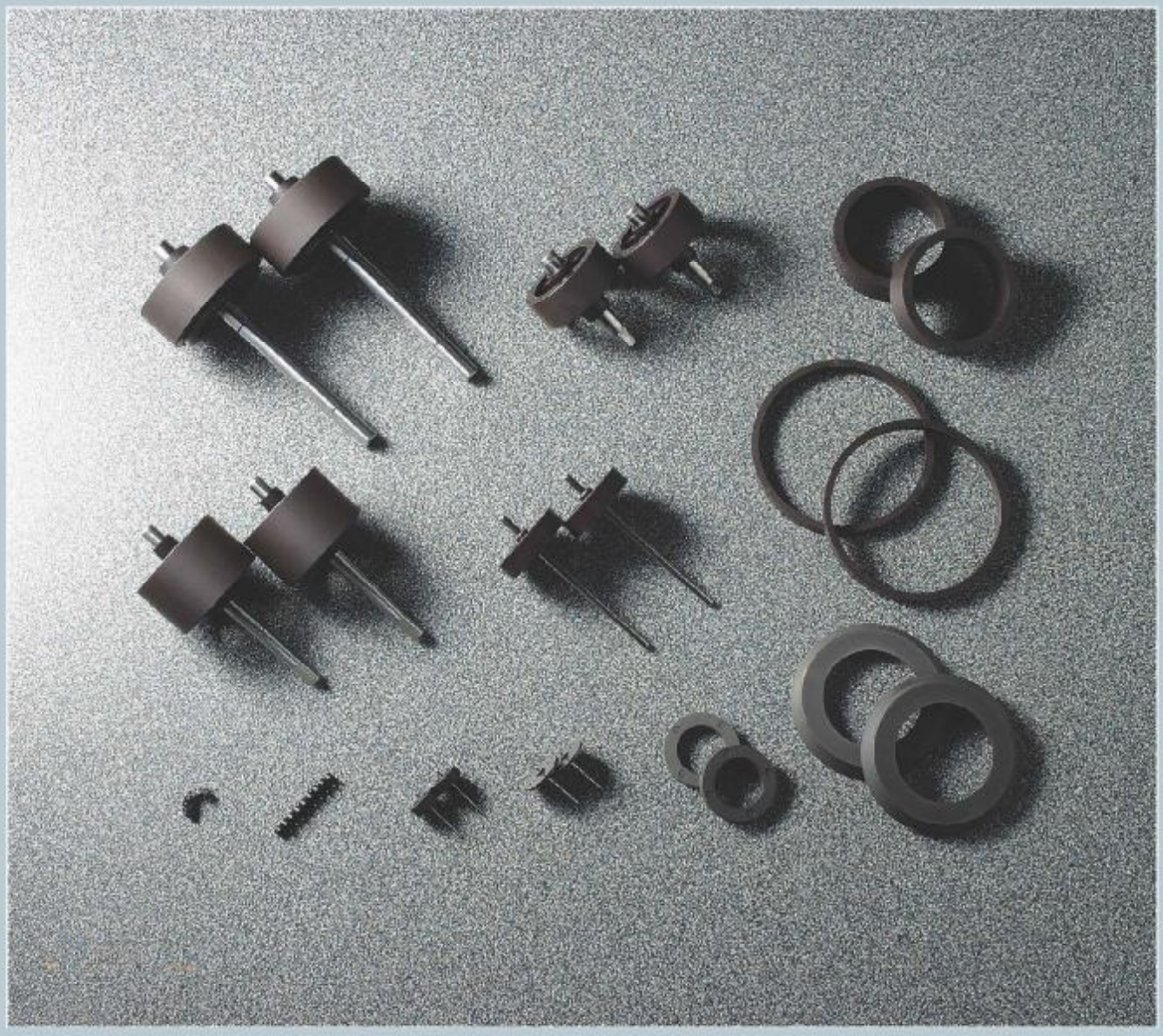

The General

Nowadays more and more uses of plastic magnets are being found in accordance with the rapid advances of the electronic appliance.
Highly advanced isotropic and anisotropic molding technology coupled with magnetizing technics motivated the wide use of plastic magnets.
JAHWA's plastic magnets are being supplied to meet needs of this growing market.

Features

- Having a high magnetic and coercive force
- Multipole magnetization in high orientation to axial, radial and polar direction
- Having excellent melt flowability and low shrinkage rate(0.2~0.3%)

Plastic Magnet

Material Properties

Property	Unit	JHPM 0812	JHPM 1612	JHPM 1812	JHPM 1806	JHPM 2112	4M	6M	9M	12M	14M
Residual Induction Br	(KG)	1.55	2.33	2.76	2.85	2.85	3.9~4.3	5.0~5.4	6.0~6.5	7.0~7.5	7.6~8.1
Coercive Force bHc	(KOe)	1.36	2.00	2.24	2.15	2.21	3.3~3.6	4.0~4.3	5.4~5.9	5.8~6.4	6.1~6.7
Coercive Force iHc	(KOe)	1.90	2.77	2.66	2.46	2.56	2.9~6.9	7.1~8.1	9.1~10.1	8.7~9.8	8.3~9.5
Max. Energy Product(BH)max	(MGOe)	0.6	1.33	1.84	1.98	2.02	3.8~4.2	5.8~6.2	8.5~9.4	11.5~12.4	13.5~14.4
Recoil Permeability	(μrec)	1.05	1.05	1.05	1.05	1.05	-	-	-	-	-
Density	(g/㎤)	2.75	2.85	3.5	3.7	3.7	3.7~3.8	4.0~4.1	4.0~4.2	4.4~4.6	4.7~4.9
Rockwell(R) Hardness	(R)Scale	118	103	115	115	98	-	-	-	-	-
Tensile Strength	(kg/㎟)	470	420	500	600	450	-	-	-	-	-
Heat Distortion Temp.	(℃)	120	143	140	165	135	-	-	-	-	-
Binder		Nyon -12	Nylon -12	Nylon -12	Nylon -6	Nylon -12	Nylon -12	Nylon -12	Nylon -12	Nylon -12	Nylon -12

Orientations