

Hard magnetic material

Bond Magnet Compound for Injection Molding (Ferrite/Rare earth) [FEROTOP™]



FEATURES

Bond magnet compounds, mixed with resins and magnetic powders, are used in injection molding. TODA KOGYO have isotropic/anisotropic magnetic materials of ferrite/rare-earth to meet a wide range of needs. In addition, TODA KOGYO has established a global supply system to reduce supply risk.

CHARACTERISTICS

Superior processability

It is possible to mold large and small complex shapes with high dimensional accuracy.

Possible to design complex magnetization

It is suitable to prepare products with radial orientation and multi-pole magnetization.

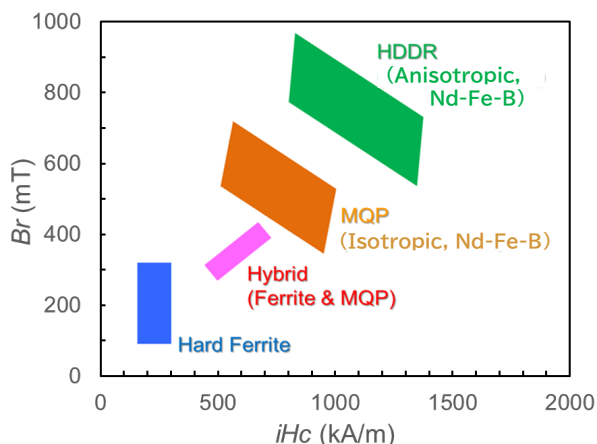
Cost efficiency by integral molding

Since injection molding can be integrally molded with other parts, it is possible to reduce the process costs.

SPECIFICATIONS

【Typical product types】

Lineup	Ferrite (Strontium ferrite)		Rare earth (Nd-Fe-B)	
	Isotropic	Anisotropic	Isotropic	Anisotropic
Powder	●	●	—	●
Compound	● (PA12)	● (PA6/12, PPS, EEA)	● (PA12, PPS, EEA, SEBS)	● (PA12, PPS)



【Classification of magnetic characteristics】



【Sample image of molded products】

APPLICATIONS

- In-vehicle small motors/sensor parts (pumps, rudder angle sensors, etc.)
- Motors and sensor parts for home appliances (fan motors for air conditioner, detection sensors, etc.)

TODA KOGYO CORP. TOKYO OFFICE

Shiba Mita Mori Building 6F, 5-13-15 Shiba, Minato-ku, Tokyo 108-0014, Japan

Tel +81-3-5439-6040

E-mail: webmaster@todakogyo.co.jp

Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document may be changed without notice.



Ver. May 2024