

Hard magnetic material

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



## FEATURES

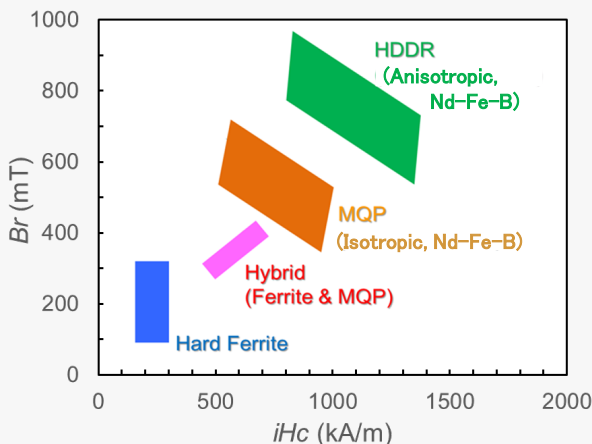
Bond magnet compounds, mixed with resins and magnetic powders, are used in injection molding. TODA KOGYO have isotropic/anisotropic magnetic materials of ferrite/rare-earth to meet a wide range of needs. In addition, TODA KOGYO has established a global supply system to reduce supply risk.

## CHARACTERISTICS

- 1 **Superior processability**  
It is possible to mold large and small complex shapes with high dimensional accuracy.
- 2 **Possible to design complex magnetization**  
It is suitable to prepare products with radial orientation and multi-pole magnetization.
- 3 **Cost efficiency by integral molding**  
Since injection molding can be integrally molded with other parts, it is possible to reduce the process costs.

## SPECIFICATIONS

Lineup	Ferrite (Strontium ferrite)		Rare earth (Nd-Fe-B)	
	Isotropic	Anisotropic	Isotropic	Anisotropic
Powder	●	●	—	●
Compound	● (PA12)	● (PA6/12, PPS, EEA, PVC, SEBS)	● (PA12, PPS, EEA)	● (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.)
- Parts for copier (magnet roll, etc.)

