



PLASTIFORM® 3207 Isotropic Magnets

PRODUCT DATA SHEET

Typical Properties

Properties	Isotropic	
	CGS/U.S.	SI
Br (Residual Induction)	6,100 Gauss	610 mTesla
Hc (Coercive Force)	5,400 Oersteds	430 kA/m
Hci (Intrinsic Coercivity)	12,000 Oersteds	955 kA/m
BHmax (Maximum Energy Product)	8.5 MGOe	68 kJ/m ³
BrHx (Intrinsic Parameter)	82 MGOe	650 kJ/m ³
Reversible Temperature Coefficient of Induction, Br	-0.06 %/°F	-0.11 %/°C
Reversible Temperature Coefficient of Coercivity, Hci	-0.22 %/°F	-0.40 %/°C
Peak Magnetizing Force Required	30,000 Oersteds	2388 kA/m
Density	0.208 lb/in ³	5.76 g/cc
Recommended Maximum Operating Temperature	176° F	140° C

Features

- Epoxy bonded, Compression molded, isotropic neodymium-iron-boron
- Energy product (BHmax) 8.5 MGOe
- Isotropic, may be magnetized in any direction and pattern

Product Information

- Best suited to simple shapes such as cylinders, discs, and arcs or where maximum MGOe is needed.
- Recommended maximum use temperature of 120° C

All values shown are measured at 23°C (73°F).

All values are based on a standard test plug. Consult with an application engineer for more information on your specific requirements.

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