

Temperature in [°C]: 20.0	80.0	100.0	125.0
---------------------------	------	-------	-------

magnetic properties					
Remanence 20°C	Br min	0.480	Т	4.8	kG
	Br nom	0.500	T	5.0	kG
Coercitivity 20°C	HcB min	310	kA/m	3.9	kOe
	HcB nom	334	kA/m	4.2	kOe
Intrinsic Coercitivity 20°C	HcJ min	509	kA/m	6.4	kOe
	HcJ nom	636	kA/m	8.0	kOe
Maximum Energy Product 20°C	BH max, min	43.8	kJ/m ³	5.5	MGOe
	BH max, nom	47.4	kJ/m ³	6.0	MGOe
Reversible Temperature Coefficient 1)	α Br nom	-0.060	%/°C		
	β HcJ nom	-0.500	%/°C		
material properties (typical values)					
Max. Operating Temperature ²⁾	T max	125	°C		
Density	ρ	4	g/cm ³		
Permeability 20°C	μr	1.15			
Flexural Strength		50	Мра		

¹⁾ The shown temperature coefficients are nominal reference values only . They can vary for different temperatures and don't need to be linear.

Note:

The above plotted graphs are idealized and represent theoretical values of the material. Shown are curves according nominal values based on uncoated material samples according to IEC 60404-5. Material and magnetic data represent typical data that may vary due to product shape, size and coating. Please contact Bomatec regarding specific requirements for your application.

Bomatec | Hofstrasse 1 | Tel. +41 44 872 10 00 | Fax. +41 44 872 10 01 | contact@bomatec.ch | www.bomatec.com

²⁾ The maximum operating temperature is depending on the magnet shape, size and on the specific application.