

magnetic properties					
Remanence 20°C	Br min	0.251	Т	2.5	kG
	Br nom	0.257	T	2.6	kG
Coercitivity 20°C	HcB min	151	kA/m	1.9	kOe
	HcB nom	173	kA/m	2.2	kOe
Intrinsic Coercitivity 20°C	HcJ min	171	kA/m	2.1	kOe
	HcJ nom	213	kA/m	2.7	kOe
Maximum Energy Product 20°C	BH max, min	12.2	kJ/m ³	1.5	MGOe
	BH max, nom	12.8	kJ/m³	1.6	MGOe
Reversible Temperature Coefficient 1)	α Br nom	-0.185	%/°C		
	R Hal nam	0.170	0/ 100		

Reversible Temperature Coefficient ¹ /	β HcJ nom	0.170	%/°C	
material properties (typical values)				
Max. Operating Temperature 2)	T max	180	°C	
Density	ρ	3.58	g/cm ³	
Permeability 20°C	μr	1.02		
Flexural Strength		ca. 102	Mpa	

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.

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