



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

magnetic properties					
Remanence 20°C	Br min	0.700	T	7.0	kG
	Br nom	0.725	T	7.3	kG
Coercivity 20°C	HcB min	462	kA/m	5.8	kOe
	HcB nom	486	kA/m	6.1	kOe
Intrinsic Coercivity 20°C	HcJ min	692	kA/m	8.7	kOe
	HcJ nom	736	kA/m	9.2	kOe
Maximum Energy Product 20°C	BH max, min	92	kJ/m ³	11.6	MGOe
	BH max, nom	95.5	kJ/m ³	12.0	MGOe
Reversible Temperature Coefficient ¹⁾	α Br nom	-0.070	%/°C		
	β HcJ nom	-0.500	%/°C		

material properties (typical values)					
Max. Operating Temperature ²⁾	T max	125	°C		
Density	ρ	4.5	g/cm ³		
Permeability 20°C	μr	1.09			
Flexural Strength		n/a	Mpa		

1) The shown temperature coefficients are nominal reference values only . They can vary for different temperatures and don't need to be linear.
 2) The maximum operating temperature is depending on the magnet shape, size and on the specific application.

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.