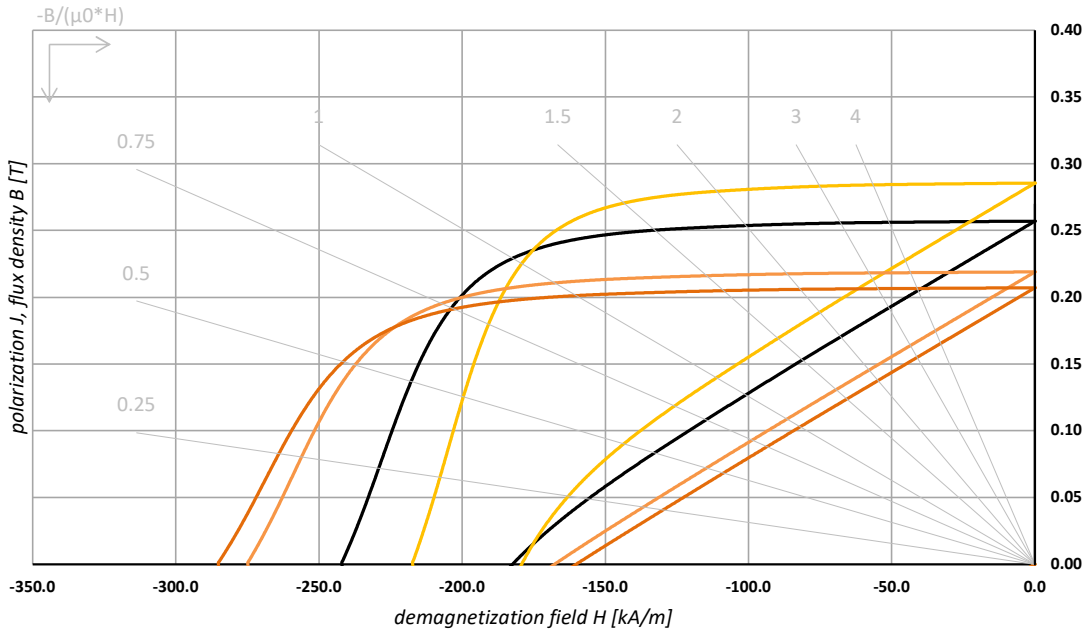
BOMATEC
MORE THAN JUST MAGNETS

BMFPa-1216

Ferrite injection molded, anisotropic (PA12)



Temperature in [°C]: **20.0** -40.0 100.0 125.0

magnetic properties					
Remanence 20°C	Br min	0.250	T	2.5	kG
	Br nom	0.257	T	2.6	kG
Coercitivity 20°C	HcB min	167	kA/m	2.1	kOe
	HcB nom	185	kA/m	2.3	kOe
Intrinsic Coercitivity 20°C	HcJ min	203	kA/m	2.6	kOe
	HcJ nom	242	kA/m	3.0	kOe
Maximum Energy Product 20°C	BH max, min	12.3	kJ/m^3	1.5	MGOe
	BH max, nom	13.05	kJ/m^3	1.6	MGOe
Reversible Temperature Coefficient [1)]	α Br nom	-0.185	%/°C		
	β HcJ nom	0.170	%/°C		

material properties (typical values)					
Max. Operating Temperature [2)]	T max	125	°C		
Density	ρ	3.41	g/cm^3		
Permeability 20°C	μr	1.02			
Flexural Strength		ca. 126	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.

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