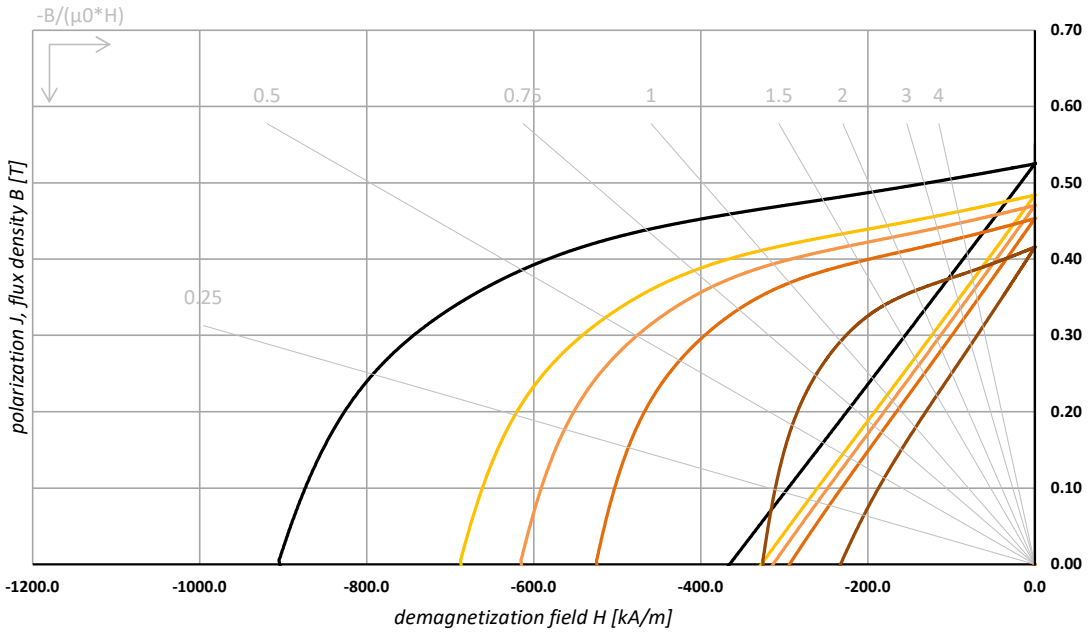
BOMATEC
MORE THAN JUST MAGNETS

BMNPi-BM60

NdFeB injection molded, isotropic (PPS)



Temperature in [°C]: **20.0** 80.0 100.0 125.0 180.0

magnetic properties					
Remanence 20°C	Br min	0.515	T	5.2	kG
	Br nom	0.525	T	5.3	kG
Coercitivity 20°C	HcB min	330	kA/m	4.1	kOe
	HcB nom	360	kA/m	4.5	kOe
Intrinsic Coercitivity 20°C	HcJ min	800	kA/m	10.1	kOe
	HcJ nom	905	kA/m	11.4	kOe
Maximum Energy Product 20°C	BH max, min		kJ/m^3		MGOe
	BH max, nom	47.1	kJ/m^3	5.9	MGOe
Reversible Temperature Coefficient [1)]	α Br nom	-0.130	%/°C		
	β HcJ nom	-0.400	%/°C		
material properties (typical values)					
Max. Operating Temperature [2)]	T max	180	°C		
Density	ρ	5.2	g/cm^3		
Permeability 20°C	μr	1.16			
Flexural Strength		ca. 108	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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