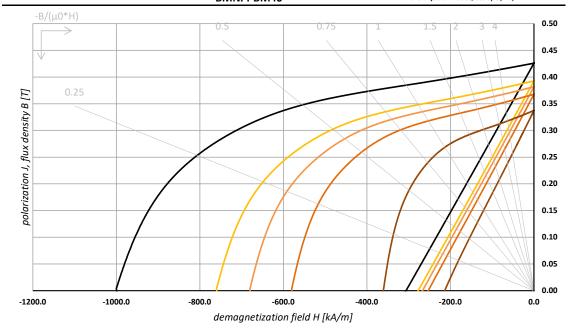


NdFeB injection molded, isotropic (PPS)



Temperature in [°C]:	20.0	80.0	100.0	125.0	180.0	
magnetic properties						
Remanence 20°C		Br min	0.390	T	3.9	kG
Remanence 20 C		Br nom	0.426	T	4.3	kG
Coercitivity 20°C		HcB min	250	kA/m	3.1	kOe
		HcB nom	307	kA/m	3.9	kOe
Intrinsic Coercitivity 20°C		HcJ min	820	kA/m	10.3	kOe
		HcJ nom	1000	kA/m	12.6	kOe
Maximum Energy Product 20°C		BH max, min		kJ/m³		MG0e
		BH max, nom	32.6	kJ/m³	4.1	MGOe
Reversible Temperature Coefficient 1)		α Br nom	-0.130	%/°C		
		β HcJ nom	-0.400	%/°C		
material properties (typical v	alues)					
Max. Operating Temperature	2)	T max	180	°C		
Density		ρ	4.5	g/cm ³		
Permeability 20°C		μr	1.11			
Flexural Strength			ca. 124	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.