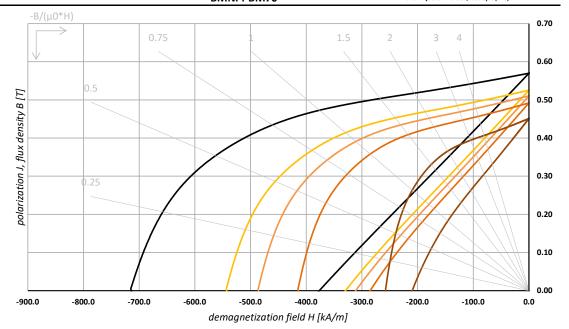


NdFeB injection molded, isotropic (PPS)



Temperature in [°C]:	20.0	80.0	100.0	125.0	180.0	
magnetic properties						
Remanence 20°C		Br min	0.540	T	5.4	kG
		Br nom	0.570	Т	5.7	kG
Coercitivity 20°C		HcB min	340	kA/m	4.3	kOe
		HcB nom	370	kA/m	4.6	kOe
Intrinsic Coercitivity 20°C		HcJ min	650	kA/m	8.2	kOe
		HcJ nom	715	kA/m	9.0	kOe
Maximum Energy Product 20°C		BH max, min		kJ/m <sup>3</sup>		MGOe
		BH max, nom	55	kJ/m³	6.9	MGOe
Reversible Temperature Coefficient 1)		α Br nom	-0.130	%/°C		
		β HcJ nom	-0.400	%/°C		
material properties (typical values	;)					
Max. Operating Temperature <sup>2)</sup>		T max	180	°C		
Density		ρ	5.35	g/cm <sup>3</sup>		
Permeability 20°C		μr	1.2			
Flexural Strength			ca. 90	Mpa		

<sup>1)</sup> 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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<sup>2)</sup> The maximum operating temperature is depending on the magnet shape, size and on the specific application.