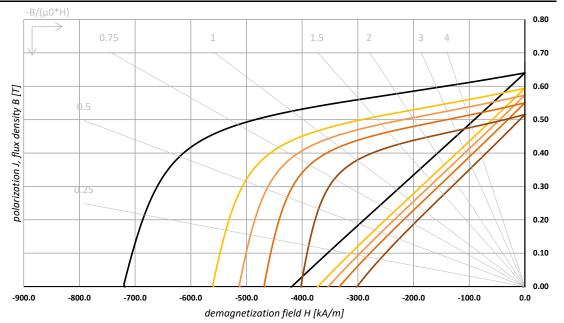




BMNpi-60/64 NdFeB bonded, isotropic (EP)



	Temperature in [°0	C]: 20	.0 80.0	100.0	120.0	150.0
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Remanence 20°C	Br min	0.580	Т	5.8	kG
lemanence 20 C	Br nom	0.640	Т	6.4	kG
Coercitivity 20°C	HcB min	360	kA/m	4.5	kOe
Locicitivity 20 C	HcB nom	430	kA/m	5.4	kOe
ntrinsic Coercitivity 20°C	HcJ min	640	kA/m	8.0	kOe
ittilisic coercitivity 20 C	HcJ nom	720	kA/m	9.0	kOe
Maximum Energy Product 20°C	BH max, min	55	kJ/m³	6.9	MGOe
Maximum Energy Froduct 20 C	BH max, nom	71	kJ/m³	8.9	MG0e
Reversible Temperature Coefficient 1)	α Br nom	-0.120 ~ -0.150	%/°C		
leversible remperature coefficient	β HcJ nom	-0.33 ~ -0.38	%/°C		
naterial properties (typical values)					
Max. Operating Temperature 2)	T max	160	°C		
man operating remperature	1 IIIax	100	C		
Density	ρ	5.95	g/cm³		
			•		
Density	ρ	5.95	•		
Pensity Permeability 20°C	ρ	5.95 1.20 - 1.30	g/cm ³		
Density Permeability 20°C Vickers Hardness	ρ μr	5.95 1.20 - 1.30 35 - 45	g/cm ³		
Density Permeability 20°C /ickers Hardness Modulus of Elasticity	ρ μr	5.95 1.20 - 1.30 35 - 45	g/cm ³ HV kN/mm ²		
Density Permeability 20°C /ickers Hardness Modulus of Elasticity Copressive Strength	ρ μr	5.95 1.20 - 1.30 35 - 45 8 - 16	g/cm ³ HV kN/mm ² N/mm ²		
Density Permeability 20°C /ickers Hardness Modulus of Elasticity Copressive Strength Flexural Strength	ρ μr	5.95 1.20 - 1.30 35 - 45 8 - 16 - 50-100	g/cm ³ HV kN/mm ² N/mm ² N/mm ²		
Density Permeability 20°C Vickers Hardness Modulus of Elasticity Copressive Strength Elexural Strength Expansion Coefficient	ρ μr	5.95 1.20 - 1.30 35 - 45 8 - 16 - 50-100	g/cm ³ HV kN/mm ² N/mm ² N/mm ² 10 ⁻⁶ /K		
Permeability 20°C Permeability 20°C Pickers Hardness Modulus of Elasticity Copressive Strength Elexural Strength Expansion Coefficient Expansion Coefficient in direction of	ρ μr Ε	5.95 1.20 - 1.30 35 - 45 8 - 16 - 50-100	g/cm ³ HV kN/mm ² N/mm ² 10 ⁻⁶ /K 10 ⁻⁶ /K		
Permeability 20°C Permeability 20°C Vickers Hardness Modulus of Elasticity Copressive Strength Elexural Strength Expansion Coefficient Expansion Coefficient in direction of anisotropy	ρ μr Ε	5.95 1.20 - 1.30 35 - 45 8 - 16 - 50-100 10.0 - 30.0	g/cm ³ HV kN/mm ² N/mm ² N/mm ² 10 ⁻⁶ /K 10 ⁻⁶ /K 10 ⁻⁶ /K		

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 $product\ shape,\ size\ and\ coating.\ Please\ contact\ Bomatec\ regarding\ specific\ requirements\ for\ your\ application.$

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²⁾ The maximum operating temperature is depending on the magnet shape, size and on the specific application.