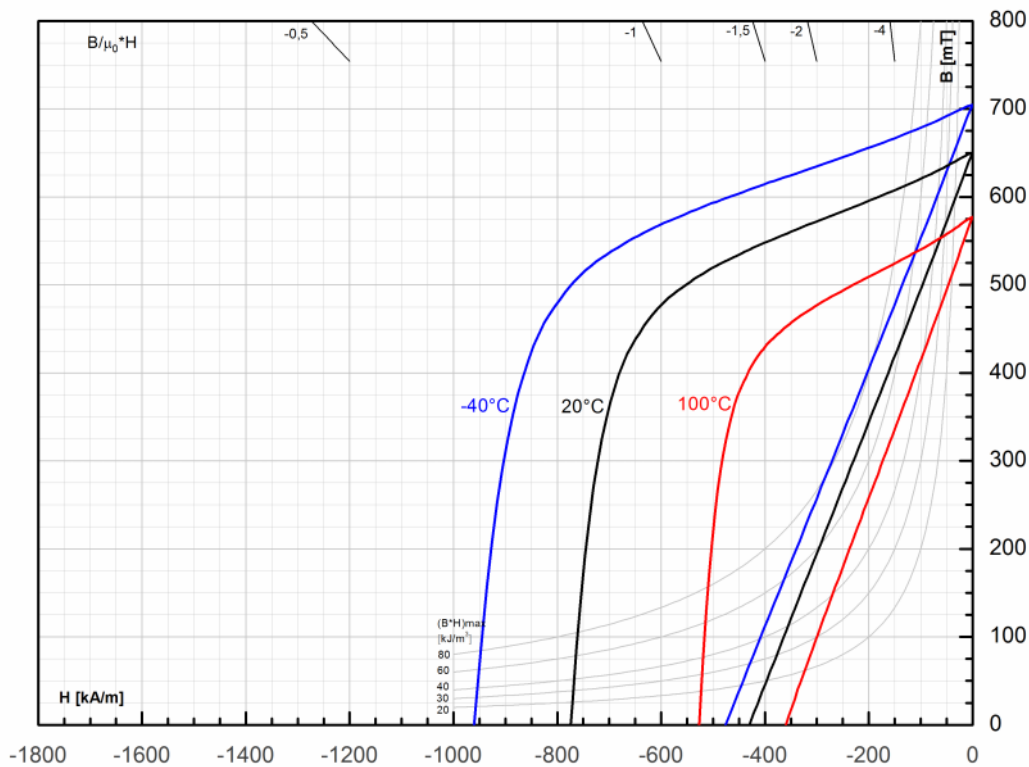


PLASTIC BONDED MAGNETS

NdFeB 65/70 pw

isotropic, pressed



MATERIAL DATA

Magnetic values according to DIN IEC 60404-8-1

Energy product (B·H) _{max.}	typ.	kJ/m ³	70
	min.	kJ/m ³	65
Remanence B _r	typ.	mT	650
	min.	mT	610
Revers. temp.- coeff. Of B _r	approx.	%/K	-0.14 ¹⁾
Coercivity H _c	H _{cB} typ.	kA/m	420
	H _{cB} min.	kA/m	390
	H _{cJ} typ.	kA/m	770
	H _{cJ} min.	kA/m	700
Revers. temp.- coeff. Of H _{cJ}	approx.	%/K	-0.4 ¹⁾
Relative permanent permeability μ _{rec.}	approx.		1.2
Curie temperature	approx.	°C	295
Operating temperature	max.	°C	130 ²⁾
Magnetising field strength	min.	kA/m	2800

Mechanical values

Density	approx.	g/cm ³	6
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- 1) In the temperature range from 20 °C to 100 °C.
- 2) The max. Operating temperature depends on the duration, the magnet dimensions and the specific application. High temperatures can adversely affect the mechanical characteristics with increasing exposure time.

Please contact our application engineering for more information.

All values indicated were determined on a sample (10 mm x 10 mm x 5 mm) according to IEC 60404-5. For unfavourable geometries, especially for thin magnets, the excessively fast solidification process can cause the material data to be less than optimal.