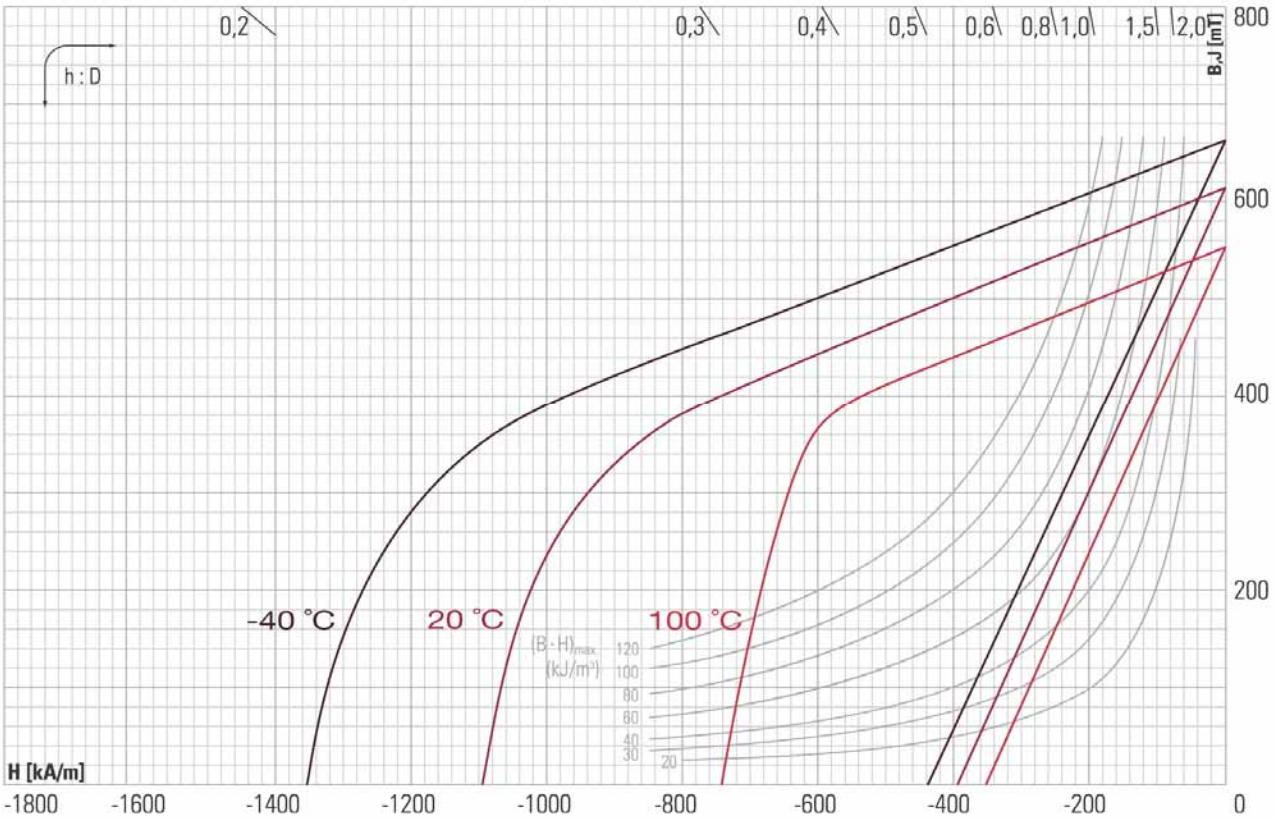
PLASTIC BONDED MAGNETS

NdFeB 55/100 pw

isotropic, pressed



MATERIAL DATA

Magnetic values according to DIN IEC 60404-8-1

Energy product $(B{\cdot}H)_{max.}$	typ.	kJ/m³	65
	min.	kJ/m³	55
Remanence B_r	typ.	mT	620
	min.	mT	580
Revers. temp.-coeff. Of B_r	approx.	%/K	-0.12 [1)]
Coercivity H_C	H_{cB} typ.	kA/m	400
	H_{cB} min.	kA/m	380
	H_{cJ} typ.	kA/m	1100
	H_{cJ} min.	kA/m	1000
Revers. temp.-coeff. Of H_{CJ}	approx.	%/K	-0.4 [1)]
Relative permanent permeability $\mu_{rec.}$	approx.		1.2
Curie temperature	approx.	°C	310
Max. operating temperature	approx.	°C	130 [2)]
Magnetising field strength	min.	kA/m	>3200

Mechanical values

Density	approx.	g/cm³	6

[1)] In the temperature range from 20 °C to 100 °C.

[2)] The max. operating temperature depends on the magnet dimension and the specific application. Please contact our application engineering for more information.

All values indicated were determined on standard samples according to IEC 60404-5.
Unfavourable geometries, especially for thin magnets, can cause the material data to be less than optimal.

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