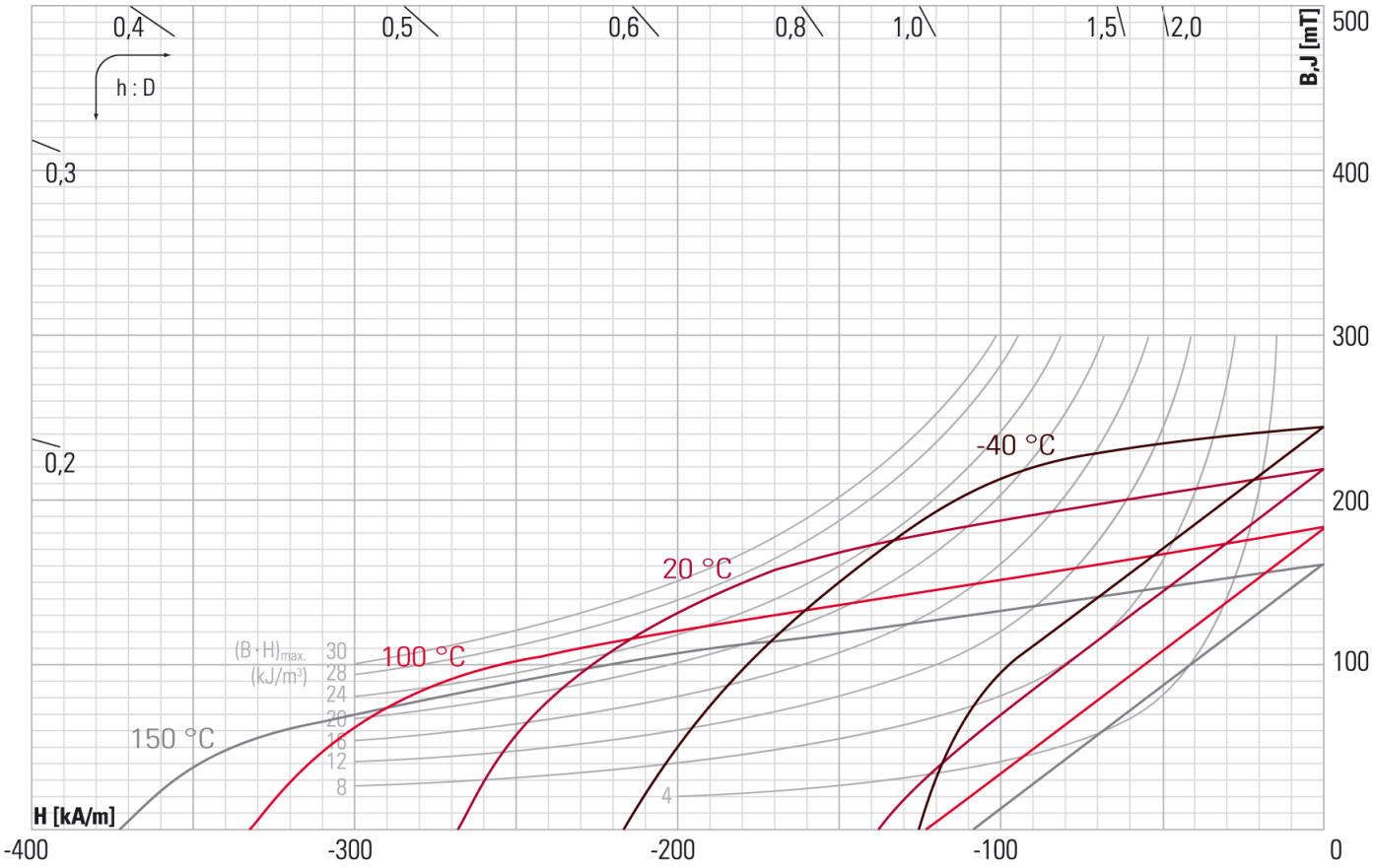
HARD FERRITE MAGNETS

Strontium ferrite HF 8/26 Sr

isotropic, dry pressed

SCHRAMBERG
Magnet- und Kunststofftechnik



MATERIAL DATA

Magnetic values as in DIN IEC 60404-8-1

Energy product $(B•H)_{max.}$	typ.	kJ/m³	8,5
	min.	kJ/m³	8
Remanence B_r	typ.	mT	220
	min.	mT	215
revers. Temp. coeff. of B_r	approx.	%/K	-0,19
Coercivity H_C	H_{cB} typ.	kA/m	140
	H_{cB} min.	kA/m	135
	H_{cJ} typ.	kA/m	270
	H_{cJ} min.	kA/m	260
revers. Temp. coeff. of H_{cJ}	approx.	%/K	+0,3
relative permanent permeability $\mu_{rec.}$	approx.		1,2
Curie temperature	approx.	°C	450
max. operating temperature	approx.	°C	250

Mechanical values

Density	approx.	g/cm³	4,7
Hardness	approx.	Mohs	6-7
		HV	500-600
Elasticity modulus	approx.	10^3N/mm²	150
Compressive strength	approx.	N/mm²	700
Tensile strength	approx.	N/mm²	50
Flexural strength	approx.	N/mm²	55
Expansion coefficient	p.p.d.[1] / i.p.d.[2]	approx. 10^{-6}/K	9-10
spec. elec. resistance	approx.	Ωm	>10^4
spec. heat capacity	approx.	J/(kg•K)	700
Thermal conductivity	approx.	W/mK	4

[1] p.p.d. = perpendicular to preferred direction
[2] i.p.d. = in preferred direction

All values indicated were determined on standard samples following IEC 60404-5.
Matrix pressed magnets of various shapes and sizes may differ in their magnetic ratings.

MS-Schramberg GmbH & Co. KG
Max-Planck-Straße 15
D-78713 Schramberg-Sulgen

Tel.: +49 7422 519-0
Fax: +49 7422 519-1100

E-Mail: info@ms-schramberg
www.ms-schramberg.de