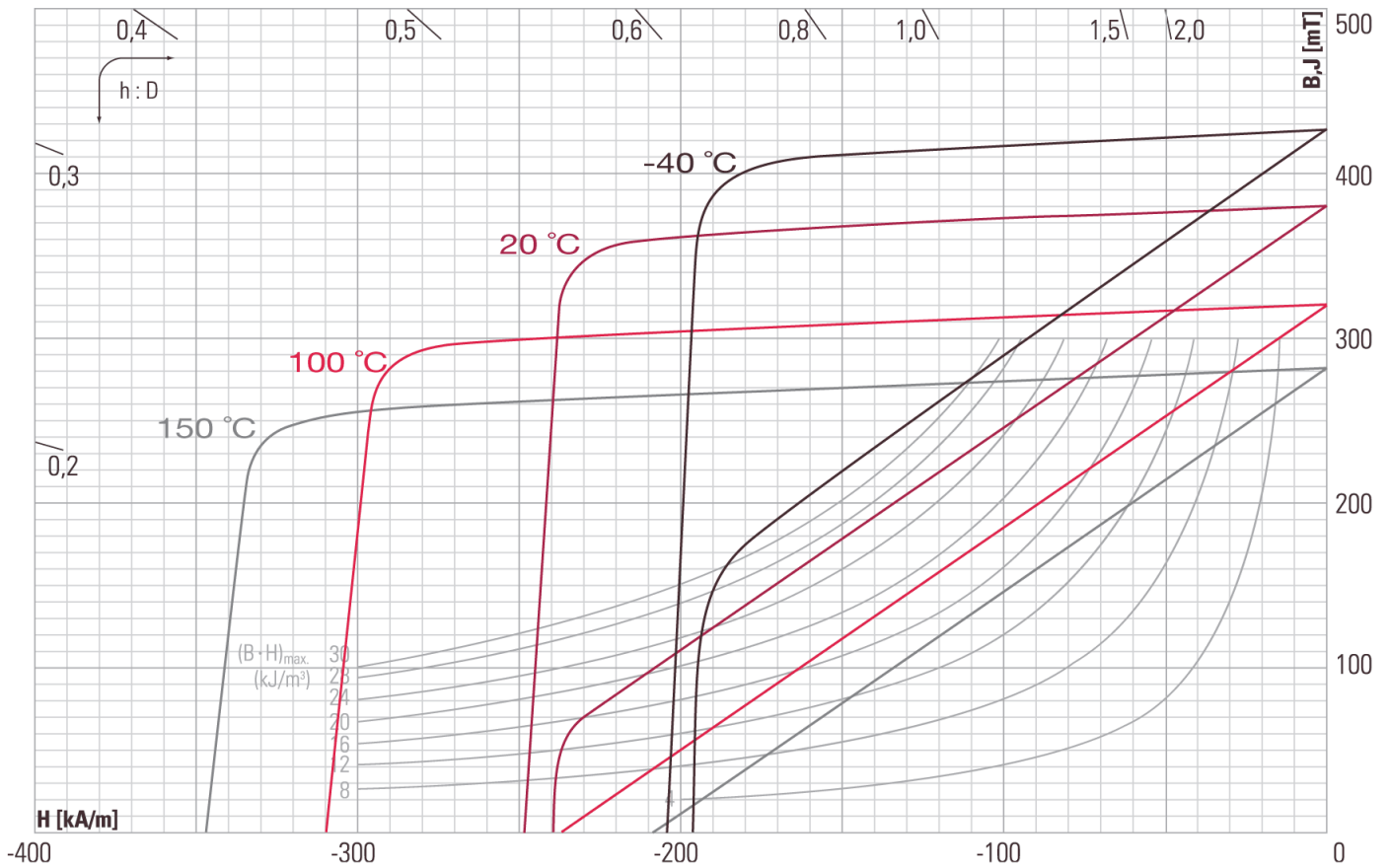


# HARD FERRITE MAGNETS

## Strontium ferrite HF 26/24

anisotropic, dry pressed



### MATERIAL DATA

Magnetic values as in DIN IEC 60404-8-1

Energy product ( $B \cdot H$ ) <sub>max.</sub>	typ.	kJ/m <sup>3</sup>	27
	min.	kJ/m <sup>3</sup>	26
Remanence $B_r$	typ.	mT	380
	min.	mT	370
revers. Temp. coeff. of $B_r$	approx.	%/K	-0,19
Coercivity $H_C$	$H_{cB}$ typ.	kA/m	230
	$H_{cB}$ min.	kA/m	220
	$H_{cJ}$ typ.	kA/m	250
	$H_{cJ}$ min.	kA/m	240
revers. Temp. coeff. of $H_{cJ}$	approx.	%/K	+0,3
relative permanent permeability $\mu_{rec.}$	approx.		1,1
Curie temperature	approx.	°C	450
max. operating temperature	approx.	°C	250

### Mechanical values

Density	approx.	g/cm <sup>3</sup>	4,8
Hardness	approx.	Mohs	6-7
		HV	500-600
Elasticity modulus	approx.	10 <sup>3</sup> N/mm <sup>2</sup>	150
Compressive strength	approx.	N/mm <sup>2</sup>	700
Tensile strength	approx.	N/mm <sup>2</sup>	50
Flexural strength	approx.	N/mm <sup>2</sup>	55
Expansion coefficient	p.p.d. <sup>1)</sup>	approx. 10 <sup>-6</sup> /K	10-11
	i.p.d. <sup>2)</sup>		12-13
spec. elec. resistance	approx.	Ωm	>10 <sup>4</sup>
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.