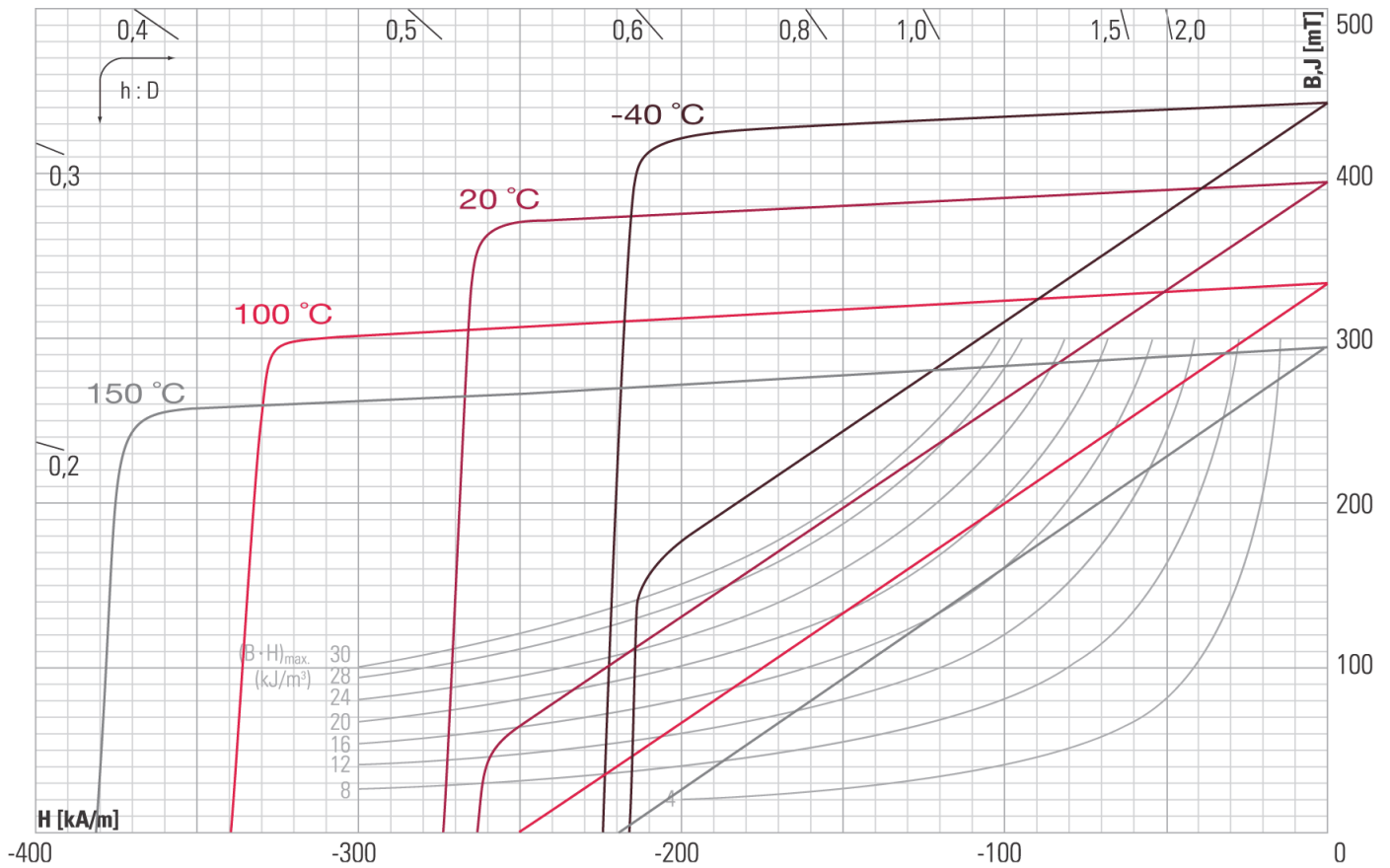


HARD FERRITE MAGNETS

Strontium ferrite HF 28/26

anisotropic, wet pressed



MATERIAL DATA

Magnetic values as in DIN IEC 60404-8-1

Energy product ($B \cdot H$) _{max.}	typ.	kJ/m ³	30
	min.	kJ/m ³	28
Remanence B_r	typ.	mT	395
	min.	mT	385
revers. Temp. coeff. of B_r	approx.	%/K	-0,19
Coercivity H_C	H_{cB} typ.	kA/m	255
	H_{cB} min.	kA/m	240
	H_{cJ} typ.	kA/m	275
	H_{cJ} min.	kA/m	260
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 ³	4,85
Hardness	approx.	Mohs	6-7
		HV	500-600
Elasticity modulus	approx.	10 ³ N/mm ²	150
Compressive strength	approx.	N/mm ²	700
Tensile strength	approx.	N/mm ²	50
Flexural strength	approx.	N/mm ²	55
Expansion coefficient	p.p.d. ¹⁾	approx. 10 ⁻⁶ /K	10-11
	i.p.d. ²⁾		12-13
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.