



MATERIAL DATA

Magnetic values according to DIN IEC 60404-8-1

Energy product (B·H) _{max.}	typ.	kJ/m ³	88
	min.	kJ/m ³	76
Remanence B _r	typ.	mT	700
	min.	mT	660
Revers. temp. coeff. of B _r	approx.	%/K	-0.13 ¹⁾
Coercivity H _c	H _{cB} typ.	kA/m	490
	H _{cB} min.	kA/m	460
	H _{cJ} typ.	kA/m	1200
	H _{cJ} min.	kA/m	1100
Revers. temp. coeff. of H _{cJ}	approx.	%/K	-0.6 ¹⁾
Relative permanent permeability μ _{rec.}	approx.		1,15
Curie temperature	approx.	°C	350
Magnetising field strength	min.	kA/m	>2400

Max. operating temperature

Matrix binder PA 12	approx.	°C	100 – 120 ²⁾
Matrix binder PPS ³⁾⁴⁾	approx.	°C	100 – 120 ²⁾

Mechanical values

Density	approx.	g/cm ³	4.8
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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.

3) For magnets with PPS as binder, the chemical resistance to oils, grease, motor oils etc. is significantly better than for PA-bonded magnets; however this has to be checked in individual cases.

4) On request.

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.