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Material information

Rubber Neodymium (PLN)											
Description		Remanence		Energy product		Coercivity		Coercivity		Working temp.*	Temp. coeff.
		Br (mT)		(BxH) max. (kJ/m^3)		Hcb (kA/m)		Hcj (kA/m)		Tmax.	to Br
Material (selection)	DIN / IEC 60404-8-1	typ.	min.	typ.	min.	typ.	min.	typ.	min.	°C	%/°C
PLN	64/64	660	640	68	64	400	350	700	640	120	-0.11
PLN	48/64	540	520	50	48	320	290	670	640	120	-0.11

Useful information

Rubber Neodymium (magnetic sheets and strips) consists of Neodymium powder and an elastic, thermoplastic binder and can be produced in the form of sheets and strips and extruded profiles.

Rubber Neodymium has about a 6 times higher adhesion and a 3 times higher flux density than Rubber Ferrite.

They can be magnetized on one or both sides multipolar or over the height. Through an iron backing plate (thickness at least 0.3 mm), the adhesive force can be significantly increased.

Rubber Neodymium are resistant to air, ozone, limited against water vapor and weak acids / alkalis.

There are different versions available:
• raw
• one-sided self-adhesive
• welded on one side with PVC film, colors white matt or high gloss, yellow, blue, green, red and black

The advantage of this material is the high flexibility, the rational production for large quantities and the ease of machining by punching, cutting with scissors, drilling, etc.

Process flow