

# NEODYMIUM PERMANENT MAGNET SC35

## DESCRIPTION

Neodymium permanent magnet

## FIELDS OF APPLICATION

The SC35 neodymium magnets are suitable in mechanics, lighting and do-it-yourself furniture. They have a strong attraction and are very effective even with small dimensions.

## WARNINGS

Handle product carefully.  
Do not approach to credit cards or to products and systems, sensible to magnetic field.

## USE

Neodymium magnet is a sintered material coated with a protective treatment.  
Avoid collisions between magnets or other hard surfaces and crash, this could damage magnets, especially when used in humid environment.

## STORAGE

Keep neodymium magnets in a dry place, away from heat sources. If possible stock them in styrofoam boxes, to avoid oxidation.

## WORKING TEMPERATURE

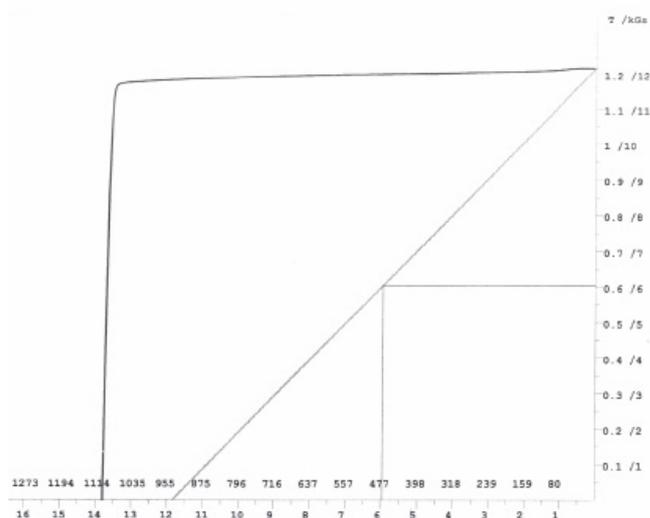
On our technical data sheet it's indicated the max working temperature which can be subjected magnets.  
If temperature exceeds, the magnetic field could be field up to zero.

## THICKNESS SURFACE TREATMENT

Ni + Ni + Ni	20-25 m
Ni + Cu + Ni	25-35 m
Zn	7- 10 m
Ni + Cu + Zn	20 - 25 m
Ni + Gold	20 - 25 m
Ni + Cu +Epoxy	35-45 m

## MAGNETIC SPECIFICATION

Br	1.216 T
	12.16 KGs
Hcb	942 KA/m
	11.83 kOe
Hcj	1098 KA/m
	13.80 kOe
BHm	286.28 kJ/m <sup>3</sup>
	35.98 MGOe
Bd	0.603 T
	6.03 KGs
Hd	475 KA/m
	5.96kOe



## CHEMICAL COMPOSITION

Nd	27 - 32 %
B	0,8 -1,2 %
Dy	1 -8 %
Co	0 - 4 %
Al	0 - 1 %
Pr	0 - 5 %
Fe	60 - 70 %