# **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.

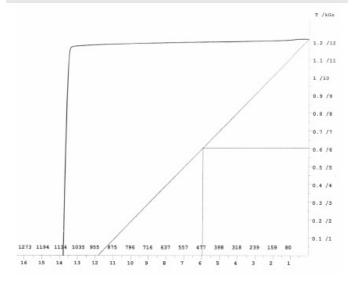
# USE

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.

#### MAGNETIC SPECIFICATION

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Br	1.216 T
	12.16 KGs
Hcb	942 KA/m
	11.83 kOe
Нсј	1098 KA/m
	13.80 kOe
BHm	286.28 kJ/m3
	35.98 MGOe
Bd	0.603 T
	6.03 KGs
Hd	475 kA/m
	5.96kOe



#### **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

# **CHEMICAL COMPOSITION**

-	
Nd	27 - 32 %
В	0,8 -1,2 %
Dy	1 -8 %
Со	0 - 4 %
AI	0 - 1 %
Pr	0 - 5 %
Fe	60 - 70 %

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