# Data sheet article FE-Q-60-30-10

Technical data and application safety

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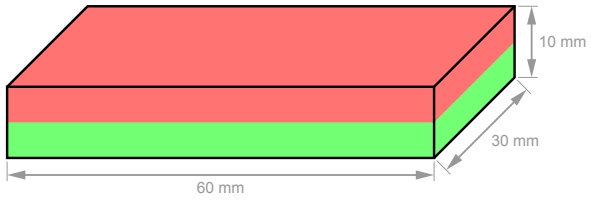
## 1. Technical information

Block magnet 60 x 30 x 10 mm, holds approx. 4,1 kg, ferrite, Y35, no coating

| | |
|---|---|
| Article ID | FE-Q-60-30-10 |
| EAN | 7640155431903 |
| Material | Ferrite |
| Shape | Block |
| Size | 60 x 30 x 10 mm |
| Side 1 | 60 mm(+/- 1,2 mm) |
| Side 2 | 30 mm(+/- 0,6 mm) |
| Side 3 | 10 mm(+/- 0,1 mm) |
| Pole faces | 60 x 30 mm |
| Direction of magnetisation | 10 mm |
| Coating | No coating |
| Manufacturing method | sintered |
| Magnetisation | Y35 |
| Strength | approx. 4,1 kg (approx. 40,2 N) |
| Displacement force | approx. 820 g (approx. 8,04 N) |
| Max. working temperature | 250°C |
| Colour | Grey |
| Weight | 87,3000 g |
| Curie temperature | 450 °C |
| Residual magnetism Br | 4000-4100 G, 0.40-0.41 T |
| Coercive field strength bHc | 2.20-2.45 kOe, 175-195 kA/m |
| Coercive field strength iHc | 2.26-2.51 kOe, 180-200 kA/m |
| Energy product (BxH)max | 3.8-4.0 MGOe, 30.0-32.0 kJ/m$^3$ |




Product compliant with the latest European RoHS directive.

Product compliant with the latest European REACH regulation.

## 2. Safety tips

**Warning**

**Pacemaker**

Magnets could affect the functioning of pacemakers and implanted heart defibrillators.
- A pacemaker could switch into test mode and cause illness.
- A heart defibrillator may stop working.

- If you wear these devices keep sufficient distance to magnets: www.supermagnete.it/eng/faq/distance
- Warn others who wear these devices from getting too close to magnets.

## 3. Handling and storing

| Caution | **Magnetic field** |
|---|---|
|  | Magnets produce a far-reaching, strong magnetic field. They could damage TVs and laptops, computer hard drives, credit and ATM cards, data storage media, mechanical watches, hearing aids and speakers. |
| | • Keep magnets away from devices and objects that could be damaged by strong magnetic fields.<br>• Please refer to our table of recommended distances: www.supermagnete.it/eng/faq/distance |

| Notice | **Influence on people** |
|---|---|
|  | According to the current level of knowledge, magnetic fields of permanent magnets do not have a measurable positive or negative influence on people. It is unlikely that permanent magnets constitute a health risk, but it cannot be ruled out entirely. |
| | • For your own safety, avoid constant contact with magnets.<br>• Store large magnets at least one metre away from your body. |

| Notice | **Temperature resistance** |
|---|---|
|  | Ferrite magnets can be used at temperatures between -40°C and 250°C.<br>At lower and higher temperatures they lose part of their adhesive force permanently. |
| | Don't use ferrite magnets in places where they are exposed to temperatures below -40°C or above 250°C. |

| Notice | **Mechanical treatment** |
|---|---|
|  | Ferrite magnets are brittle.<br>When drilling or sawing a magnet with improper tools, the magnet may break. |
| | Stay away from mechanical treatment of magnets if you do not possess the necessary equipment and experience. |

## 4. Transportation tips

| Caution | **Airfreight** |
|---|---|
|  | Magnetic fields of improperly packaged magnets could influence airplane navigation devices.<br>In the worst case it could lead to an accident. |
| | • Airfreight magnets only in packaging with sufficient magnetic shielding.<br>• Please refer to the respective regulations: www.supermagnete.it/eng/faq/airfreight |

| Caution | **Postage** |
|---|---|
|  | Magnetic fields of improperly packaged magnets could cause disturbances in sorting machines and damage fragile goods in other packages. |
| | • Please refer to our shipping tips: www.supermagnete.it/eng/faq/shipping<br>• Use a large box and place the magnet in the middle surrounded by lots of padding material.<br>• Arrange magnets in a package in a way that the magnetic fields neutralise each other.<br>• If necessary, use sheet iron to shield the magnetic field.<br>• There are stricter rules for airfreight: Refer to the warning notice "Airfreight". |

**TARIC-Code:** 8505 1910 90 0

**Origin:** China

For more information about magnets please review
**https://www.supermagnete.it/eng/faqs**.

**Last update: 21/11/2024**