

# Technical Information

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GB 25-40



**BioSafe** – Industria de Reciclagens, S.A.  
Lugar da Pardala – E.N. 109 km31  
Apartado 155  
3880-728 São João OVR Portugal  
Tel.: (+351) 256 580 600  
Fax.: (+351) 256 580 605  
[biosafe@biosafe.pt](mailto:biosafe@biosafe.pt)

## Product Name

**GB 25-40** – Granules obtained from recycled rubber through grinding used tyres at room temperature.

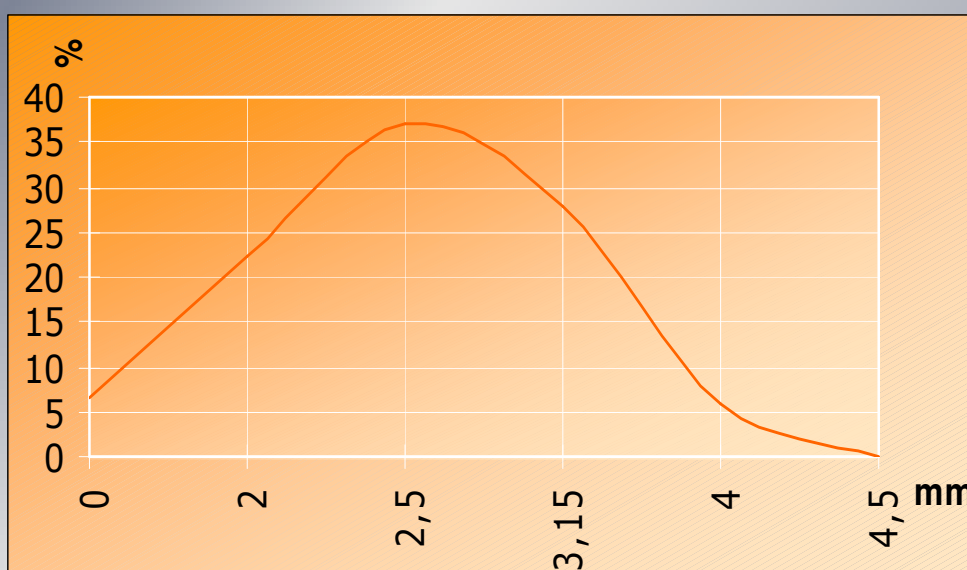
## Physical Properties

### ⇒ Apparent Density:

- ✓ Depending upon compaction, the density of this product can vary between **0.6** and **0.7**.

### ⇒ Dimensions:

- ✓ In accordance with European specifications CWA 14243 – 2002, these granules belong to level 3 of the refined dust group.
- ✓ Their nominal size is between 2.5 and 4.0 mm (8 and 5 mesh).
- ✓ Periodic granulometric analyses, whose typical curve is represented, are carried out according to standard EN 933-1.



### ⇒ Hardness:

- ✓ 50 – 60 Shore A

### ⇒ Fire-resistance:

- ✓ Flash Point - 261°C (501.8°C) - ASTM D92-90
- ✓ Fire Point - 263°C (505.4°F) - ASTM D92-90

## Chemical Properties

### ⇒ Composition:

✓ Mixture of:

- **NR** - Natural Rubber
- **SBR** - Styrene-Butadiene Rubber
- **IR** - Isoprene Rubber
- **IIR** - Butyl Isobutylene Isoprene Rubber
- **IIR modified** - Chloroisobutylene-Isoprene Rubber
- **BR** - PolyButadiene Rubber
- **NBR** - Acrylonitrile-Butadiene Rubber

em percentagens variáveis em função da proveniência dos pneus.

## Advantages

### ⇒ Physical qualitative aspects:

- ✓ High elasticity due to the recycling method;
- ✓ Specific surface larger than granules produced by other recycling methods
- ✓ Angular shape of the grain providing greater drainage capacity
- ✓ Abrasion resistance.

### ⇒ Chemical qualitative aspects:

- ✓ Asbestos-free;
- ✓ Heavy metals and zinc oxide comply with standard DIN V 18035/7;
- ✓ Non-toxic.

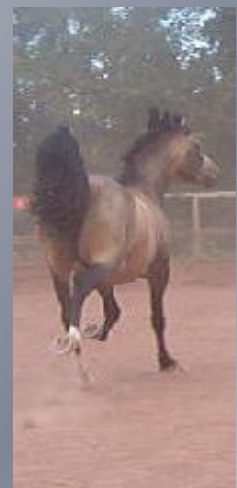
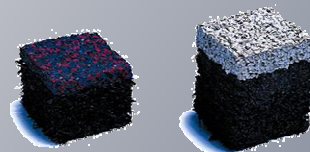
### ⇒ **Non-existent electrostatic charges**

### ⇒ **Quality:**

- ✓ Steel particles – up to 3 ppm;
- ✓ Textile fibre particles – up to 0.01% of the total weight

## Applications

- ✓ Base for synthetic paving
- ✓ Gardening
- ✓ Sports and leisure surfaces
- ✓ Equestrian paving
- ✓ Impact absorption surfaces



## Package

⇒ **Big Bag:**

About 1.6 m<sup>3</sup> e 1,000 kg ± 5%

⇒ **Pallets:**

45 plastic bags of 25 kg ± 5%

## Storage

- ✓ This product should be stored in a covered place;
- ✓ Maintaining this product dry and clean aids its handling and application;
- ✓ For safety reasons, keep away from sources of ignition.

