

# Technical Data Sheet

## 1.0 - 4.0 mm, colored EPDM Rubber Granule

### Introduction

Our range of GEZOFLEX colored EPDM rubber granulate is manufactured in Switzerland. The vulcanised (cross-linked) rubber mixture is based on an EPDM (Ethylene Propylene Diene Terpolymer) rubber and additives including mineral fillers, paraffinic mineral oil, processing aids, dyestuffs and crosslinking agents sulphur based, which provides a double molecular binding bridge. Available in a range of colors and standard sizes.

### Application

Primary applications include athletic tracks and multisport surfaces, children playground safety flooring, prefabricated slabs and roll goods for different surfacing solutions. This material can be spreaded-applied, paved or mixed and troweled in place with appropriate equipment in conjunction with an approved one or two component binder or coating. The material can also be processed in industrial manner.

### Color

As per current color range: Red, Green, Blue, White, Eggshell, Beige, Yellow, Bright Yellow, Bright Green, Dark Green, Bright Blue, Dark Blue, Pink, Lilac, Bright Orange, Bright Red, Beige Brown, Brown, Grey, Middle Grey, Dark Grey, Royal Blue, Hertha Blue, Hobart Green, Racquet Green, Signal Green, Gold, Orange, Purple, Aviation Red, and other special colors on demand.

### Quality Control

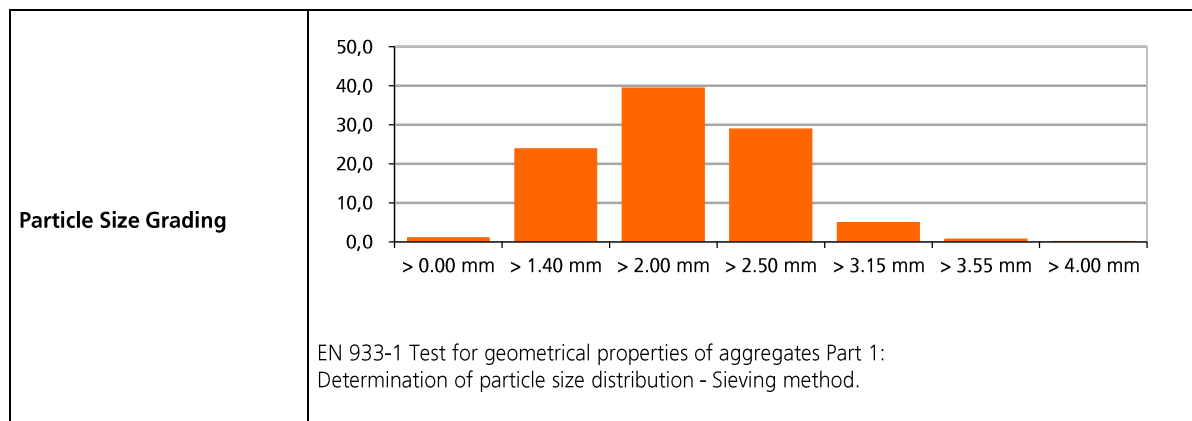
GEZOLAN introduced and follows a management system for the "Development and production of rubber granules and trade in elastic flooring systems made of rubber" according to ISO 9001:2015 Quality Management (Registration number 04-312-003) certified by Swiss Safety Center AG.

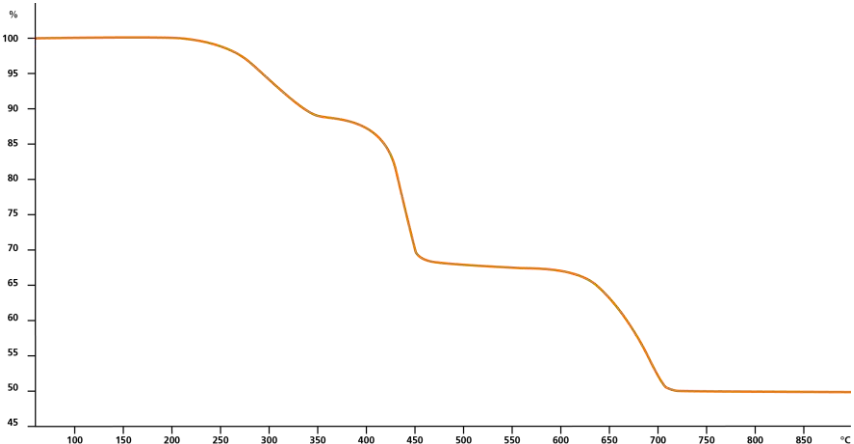
### Packaging

25 kg PE-Bags UV-resistant, on 1 tone pallets (40 bags). Alternatively available on demand in 1'000 kg Big Bags. Material conditioned on a one-way wooden pallet.

### Storage / Handling

Keep material dry at all times and out of direct UV radiation while in the plastic bags. Read the Datasheet for Safe Handling before using the product.



|                              |   |                            |                           |
|------------------------------|---|----------------------------|---------------------------|
| <b>Particle Shape</b>        | EN 14955 Surfaces for sports areas - Determination of composition and particle shape of unbound mineral surfaces for outdoor sports areas.  |                            | Angular                   |
| <b>EPDM content</b>          | Thermo-gravimetric Analysis   |                            | elastomer > 20.0%         |
| <b>TGA</b>                   |  <p>TGA Curve ISO 9924 : elastomer 27%, organic substances 32.78%, mineral substances 67.02%<br/>TGA Curve ASTM 1131-08: elastomer 23.88%, organic substances 37.92%, mineral substances 62.08%</p> |                            |                           |
| <b>Apparent density</b>      |   |                            | ca. 635 gr/l              |
| <b>Tensile strength</b>      |   |                            | ca. 6.0 N/mm <sup>2</sup> |
| <b>Hardness</b>              | Shore A   |                            | 62 ± 5                    |
| <b>Fire classification</b>   | EN 13501-1:2010   |                            | Dfl - s1                  |
| <b>Artificial Weathering</b> | EN 14836 Synthetic surfaces for outdoor sports areas. Exposure to artificial weathering. Grey Scale ISO 105 A02   |                            | 4 - 5                     |
| <b>Toxicology</b>            | DIN 38414-17 EOX on dry granules  |                            | < 10 mg / kg              |
|                              | EN 71-3 Migration of certain elements   |                            | Pass                      |
| <b>PAH Detection</b>         | DIN ISO 18287   |                            |                           |
| <b>PAH type</b>              | <b>Result (mg/kg)</b>   | <b>PAH type</b>            | <b>Result (mg/kg)</b>     |
| Naphtalène                   | < 0.1   | Benzo (B) Fluoranthène     | < 0.1                     |
| Acenaphhtylène               | < 0.1   | Benzo (K) Fluoranthène     | < 0.1                     |
| Acenaphtène                  | < 0.1   | Benzo (A) Pyrène           | < 0.1                     |
| Fluorène                     | < 0.1   | Dibenzo (A, H) Anthracène  | < 0.1                     |
| Phenanthrène                 | < 0.1   | Indeno 1, 2, 3 (CD) Pyrène | < 0.1                     |
| Anthracène                   | < 0.1   | Benzo (G, H, I) Perylène   | < 0.1                     |
| Pyrène                       | < 0.1   | Fluoranthène               | < 0.1                     |
| Benzo (A) Anthracène         | < 0.1   | 16 HAP (minimum)           | 0                         |
| Chrysène                     | < 0.1   | 16 HAP (maximum)           | 1.6                       |

#### Disclaimer

The data included in this sheet are indicative values subject to manufacturing tolerances. Is responsibility of the user to test the product's aptitude to the intended use and to satisfy themselves as to contents and suitability. The information herein is to assist customers in determining whether our products are suitable for their application. Our products are intended for sale to industrial and commercial customers. We warrant that our products will meet our write specifications within the tolerances indicated.

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