

TECHNICAL DATA SHEET

GEZOFLEX 1040

Grain size 1.0 - 4.0 mm



Introduction

The colored GEZOFLEX EPDM rubber granules are manufactured in Switzerland and in the USA. The sulphur cross-linked material is based on an EPDM rubber (Ethylene Propylene Diene Terpolymer) together with hand-chosen compound additives of highest quality. Typical applications are athletic tracks and multisport surfaces, playground safety surfaces, prefabricated slabs and rolled goods for various surfacing solutions.

Color range

As per current color range. Please see separate color sheet for detailed information. Special colors on demand.

Packaging

25 kg PE-bags, on a 1'000 kg one-way wooden pallet (40 bags). Alternatively available on demand in 1'000 kg big bags.

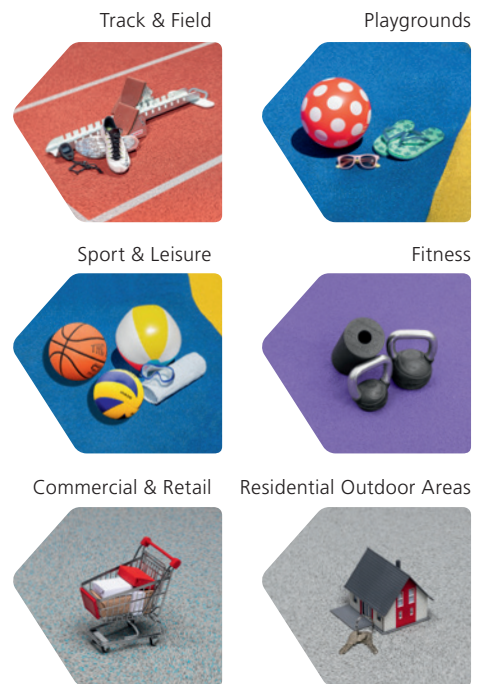
Storage / handling

Keep material dry at all times and out of direct UV radiation while stored. Please respect all further product information before using this product. In order to compensate for minor color deviations (due to natural ingredients), it is recommended to mix material from different batches with one another during installation.

Quality and environmental management

GEZOLAN is certified in quality and environmental management for the „Development and production of rubber granules and trade in elastic flooring systems made of rubber“ in accordance with the requirements of ISO 9001:2015 (quality management system) and ISO 14001:2015 (environmental management system).

Typical fields of application

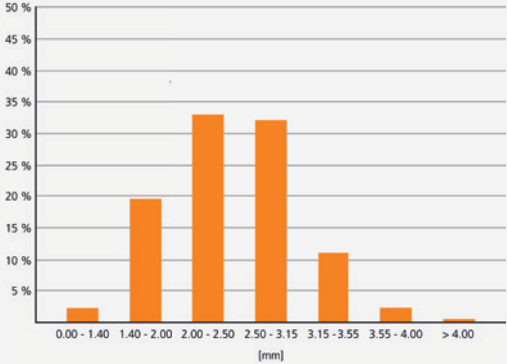


Typical types of flooring

GEZOFLEX EPDM granules can be processed with one- or two-component polyurethane binders or coatings. It is ideally suited for use in the following types of flooring:



Product properties

General properties	Typical value																
Base polymer	EPDM (Ethylen Propylen Diene Terpolymer)																
Polymer content	> 20 % (EPDM as the only polymer)																
Grain shape	Angular cut																
Grain size	1.0 - 4.0 mm ¹																
Grain size distribution	 <table border="1"> <caption>Grain size distribution data</caption> <thead> <tr> <th>Grain size [mm]</th> <th>Percentage [%]</th> </tr> </thead> <tbody> <tr> <td>0.00 - 1.40</td> <td>~2</td> </tr> <tr> <td>1.40 - 2.00</td> <td>~19</td> </tr> <tr> <td>2.00 - 2.50</td> <td>~33</td> </tr> <tr> <td>2.50 - 3.15</td> <td>~32</td> </tr> <tr> <td>3.15 - 3.55</td> <td>~11</td> </tr> <tr> <td>3.55 - 4.00</td> <td>~3</td> </tr> <tr> <td>> 4.00</td> <td>~1</td> </tr> </tbody> </table>	Grain size [mm]	Percentage [%]	0.00 - 1.40	~2	1.40 - 2.00	~19	2.00 - 2.50	~33	2.50 - 3.15	~32	3.15 - 3.55	~11	3.55 - 4.00	~3	> 4.00	~1
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Physical properties	Test method	Typical value
Tensile strength	DIN 53504	> 5 MPa
Elongation at break	DIN 53504	> 500 %
Hardness	DIN ISO 7619-1	65 ± 5 Shore A
Density	DIN EN 1183-1	1.6 g/cm ³
Bulk density	DIN EN ISO 60	630 g/l

Environmental and health properties	Requirement	Pass
Polycyclic aromatic hydrocarbons (PAHs)	REACH Reg. (EC) 1907/2006, Annex XVII entry 50	✓
	AfPS GS 2019:01 Cat. 1	✓
Migration of certain elements	EN 71-3 Safety of toys	✓
Heavy metal leaching	DIN 18035-6 / DIN 18035-7	✓

¹ other grain sizes on request

Disclaimer

The data included in this document are indicative values subject to manufacturing tolerances. It remains the duty of the user to check the suitability of the product for its intended use and to ensure that the goods are suitable in terms of shape and quality for the intended purpose. The available data support the user in deciding whether the products are suitable for the intended purpose. We warrant that our products will meet the written specifications within the tolerances indicated.