

TECHNICAL DATA SHEET

GEZOLAN BSG1.1080

Grain size 1.0 - 8.0 mm



BSG – foamed base layer granules

Based on an environmentally friendly formula, BSG is a foamed granule in extra soft setting. BSG granules have been developed to achieve better elastic properties and differ in their technical properties from the regular EPDM rubber granules of GEZOLAN.

Introduction

The GEZOLAN BSG rubber granules are manufactured by GEZOLAN AG in Switzerland. The sulphur cross-linked material is based on an EPDM rubber (Ethylene Propylene Diene Terpolymer) together with handpicked compound additives of highest quality. BSG granules are suitable as a component in systems where special requirements of force reduction have to be met. The main application is as elastic material in base layers of synthetic fall protection surfaces (e.g. children playgrounds). The BSG granules are not suitable for installation as a top layer.

Color range

Natural color (beige).

Packaging

15 kg PE-bags, on an 825 kg one-way wooden pallet (55 bags).

Storage / handling

Keep material dry at all times and out of direct UV radiation while storage. Please respect all further product information before using this product. Avoid contact with oil, petrol or similar substances.

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

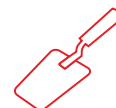
Playgrounds



Typical types of flooring

GEZOFLEX BSG granule can be processed with one- or two-component polyurethane binders.

It is ideally suited for use in the following type of flooring:



In situ



Product properties

General properties	Typical value																		
Base polymer	EPDM (Ethylen Propylen Diene Terpolymer)																		
Polymer content	> 20 % (only EPDM)																		
Grain shape	Angular cut																		
Grain size	1.0 - 8.0 mm																		
Grain size distribution	<table border="1"> <caption>Grain size distribution data (approximate)</caption> <thead> <tr> <th>Grain size [mm]</th> <th>Percentage [%]</th> </tr> </thead> <tbody> <tr><td>0.00 - 1.00</td><td>0.5</td></tr> <tr><td>1.00 - 2.00</td><td>3.0</td></tr> <tr><td>2.00 - 3.15</td><td>12.0</td></tr> <tr><td>3.15 - 4.00</td><td>24.0</td></tr> <tr><td>4.00 - 5.00</td><td>32.0</td></tr> <tr><td>5.00 - 6.30</td><td>22.0</td></tr> <tr><td>6.30 - 8.00</td><td>6.0</td></tr> <tr><td>> 8.00</td><td>1.0</td></tr> </tbody> </table>	Grain size [mm]	Percentage [%]	0.00 - 1.00	0.5	1.00 - 2.00	3.0	2.00 - 3.15	12.0	3.15 - 4.00	24.0	4.00 - 5.00	32.0	5.00 - 6.30	22.0	6.30 - 8.00	6.0	> 8.00	1.0
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Physical properties	Test method	Typical value
Tensile strength	DIN 53504	> 5 MPa
Elongation at break	DIN 53504	> 700 %
Hardness	DIN ISO 7619-1	60 ± 5 Shore A
Density	DIN EN 1183-1	1.5 g/cm ³
Bulk density	DIN EN ISO 60	400 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	✓

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.