

Technical Data Sheet

0.5 - 2.5 mm, colored EPDM Rubber Granulate

Low density version

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, dystuffs 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 synthetic turf football/soccer pitches and multisport surfaces, ball sports with synthetic turf and landscaping areas. This material is installed loose laid as elastic infill within the turf pile.

Color

Typically reseda green. Tan –brown- on demand.

Quality Control

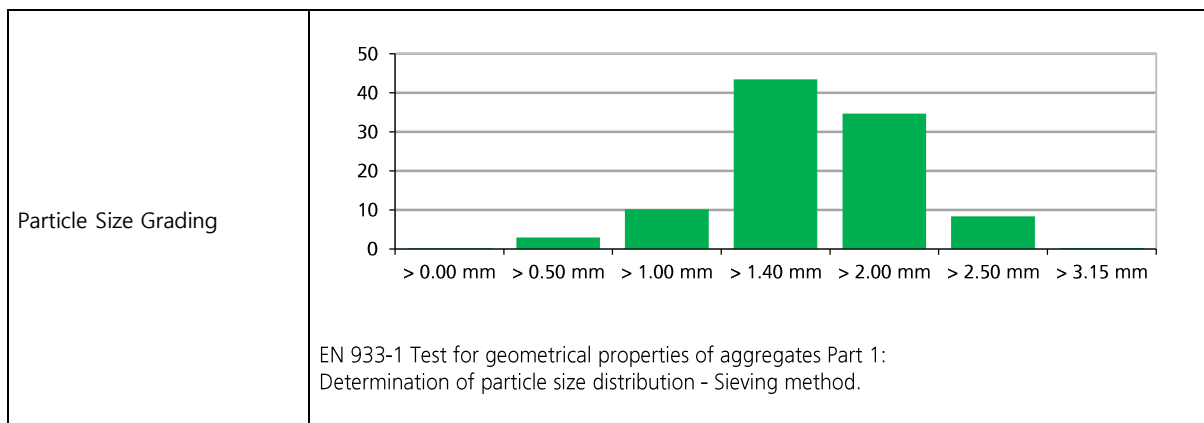
GEZOLAN introduced and follows a management system for the "Development and production of rubber granules and trade in elastic flooring systems made of rubber" according to ISO 9001:2015 Quality Management (Registration number 04-312-003) certified by Swiss Safety Center AG.

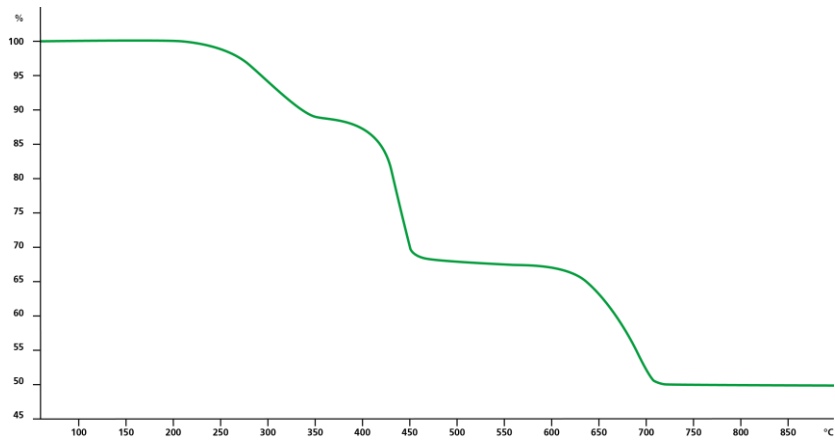
Packaging

900 kg pallets (1 Big Bag). Alternatively available on demand in 20 kg PE-bags for small quantities. 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.



Particle Shape	EN 14955 Surfaces for sports areas - Determination of composition and particle shape of unbound mineral surfaces for outdoor sports areas.		Angular
EPDM content	Thermo-gravimetric Analysis		elastomer > 20.0%
TGA	 <p>TGA Curve ISO 9924 : elastomer 27%, organic substances 32.78%, mineral substances 67.02% TGA Curve ASTM 1131-08: elastomer 23.88%, organic substances 37.92%, mineral substances 62.08%</p>		
Apparent density			ca. 480 gr/l
Tensile strength			ca. 6.0 N/mm ²
Hardness	Shore A		62 ± 5
Fire classification	EN 13501-1:2010		Dfl - s1
Artificial Weathering	EN 14836 Synthetic surfaces for outdoor sports areas. Exposure to artificial weathering. Grey Scale ISO 105 A02		4 - 5
Toxicology	DIN 38414-17 EOX on dry granules		< 10 mg / kg
	EN 71-3 Migration of certain elements		Pass
PAH Detection	DIN ISO 18287		
PAH type	Result (mg/kg)	PAH type	Result (mg/kg)
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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