

TECHNICAL DATA SHEET



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| Product name | Revised |
| GENAN COATED INFILL EARTH BROWN | 01.07.2023 |

Product description
Free-flowing, homogeneous and uniform rubber granulate, derived from end-of-life tyres through granulation and cleaning - and colour-coated with inert, non-toxic pigments and polyurethane binder.

| Contact Data of Manufacturer | | | | | | |
|------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
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| Typical properties | | | | |
|-------------------------------------|----------------------------------------------------------------------------------|-------------------|---------------------------------------------|---------------------------------------------|
| Properties | Test methods | Unit | Specification | Typical values |
| Specific density | ASTM D1817-05 (2021) | kg/m ³ | 1.100-1.200 | 1.160 |
| CIELAB colour code (Note 2) | EN ISO/CIE 11664-4:2019 Colorimetry - Part 4: CIE 1976 L*a*b* Colour space | n/a | L*: 20,50 a*: 6,70 b*: 7,40 ΔE < 3 | L*: 20,50 a*: 6,70 b*: 7,40 ΔE < 2 |
| UVA resistance (340 nm) | EN 14836 / EN 20105-A02 | n/a | > 3 | 3 |
| UVB resistance (313 nm) | EN 14836 / EN 20105-A02 | n/a | > 3 | 3-4 |
| Bulk density | EN 1097-3:1998 | kg/m ³ | 460 ±8% | 460 |
| Particle size range | ISO 13322-2:2021 | mm | 0,8-3,0 | 0,8-3,0 |
| | EN 15330-1 / FIFA | mm | 0,8-2,5 | 0,8-2,5 |
| Particle Size < 0,5 mm | DIN 53477:2018-09 | % | < 1,0 | 0,15 |
| Total polymer content (RCH) | ISO 9924-1:2023 | % | > 50 | 50 |
| Ash content | ISO 9924-1:2023 | % | < 20 | 8 |
| Moisture content (Loss: 2h @ 105°C) | ASTM D1509-15 | % | < 1 | < 1 |
| Free metal content | OA-698; (Note 1) | % | < 0,004 | < 0,002 |
| Free fibre content | OA-698; (Note 1) | % | < 0,002 | < 0,001 |
| Other contamination | OA-698; (Note 1) | % | < 0,004 | < 0,002 |
| Inhalable dust classification | EN 15051-2:2013+A1:2016 | n/a | Very low to low | Very low |
| PAH 8 REACH | AfPS CS 2019:01 PAK | mg/kg | < 20 | < 15 |

Note 1: Non-standardized test method "Determination of bulk density and free impurities in rubber powder and granulate", which your Genan representative will forward upon request. This test method is chosen as values obtained from the use of ASTM D5603 are below the detection limits.

*Note 2: L*a*b* colour code defined with a Konica Minolta CM5 spectrophotometer.*

| Remarks | |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PAH 8 REACH | A material sample has been extracted in accordance with EN 17409:2019, and the result is presented as a moving average of the 4 most recent analyses. |
| International standards | GENAN COATED INFILL complies with all requirements for infill according to FIFA 2015, World Rugby 2016 and EN15330-1:2013. |
| Content of chemical substances | GENAN COATED INFILL complies with DIN 18035-7:2019, EN 71-3:2019_Safety of Toys - Part 3, ASTM F3188-16 and SVHC limits as specified in the REACH candidate list (potential candidate substances included). |
| Particle size distribution | Information on the actual particle size distribution is available on the relevant sieve curves, which can be downloaded from the Genan website. Alternatively, our sales department can forward upon request. |
| Agglomeration | GENAN COATED INFILL may due to its physical properties - and depending on weather / storage conditions - have a tendency to cake over time. Storage as recommended in section 7.2 of the safety data sheet for this product. |
| Colour difference from batch to batch | GENAN COATED INFILL may vary slightly in colour from batch to batch. This despite the fact that all batches comply with CIELAB specifications. Genan thus advises installers to premix, if colour-coated material from different batches is to be used for the same installation. Please contact your local Genan representative for further clarification if needed. |
| Abrasion resistance | GENAN COATED INFILL is intended for use as infill material in artificial turf only. Friction may cause colour-coating to wear off. |
| Health & Safety | Guidelines on health and safety are stated in the relevant Safety Data Sheet, which can be downloaded from the Genan website. Alternatively, our sales department can forward upon request. |

Characteristics stated are typical for the product. The product is derived from a large number of different tyres; consequently, Genan cannot give any exact values on the chemical composition of the material. The above-mentioned characteristics and values have been prepared to the best of our knowledge, and Genan shall not be liable for any insufficiency or inaccuracy in such information.

| CERTIFICATIONS | Genan A/S | Genan GmbH | Genan Inc. | Genan, S.A. |
|----------------|----------------|----------------|----------------|----------------|
| | ISO 9001:2015 | ISO 9001:2015 | ISO 9001:2015 | ISO 9001:2015 |
| | ISO 14001:2015 | ISO 14001:2015 | ISO 14001:2015 | ISO 14001:2015 |
| | ISO 45001:2018 | ISO 45001:2018 | ISO 45001:2018 | ISO 45001:2018 |
| | ISO 50001:2018 | ISO 50001:2018 | ISO 50001:2018 | ISO 50001:2018 |