

TECHNICAL DATA SHEET



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| Product name | Revised |
| GENAN FINE - extra sieving | 01.05.2022 |

Product description
Free-flowing, homogeneous and uniform, black rubber granulate derived from end-of-life tyres through granulation and cleaning.

| Contact Data of Manufacturer | | | | | | |
|------------------------------|---|---|---|--|--|---|
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| Typical properties | | | | | |
|---|--------------------------|-------------------|-----------------|----------------|--|
| Properties | Test methods | Unit | Specification | Typical values | |
| Specific density | ASTM D1817-05(2016) | kg/m ³ | 1.100-1.200 | 1.160 | |
| Bulk density | EN 1097-3:1998 | kg/m ³ | 395 ±8% | 395 | |
| Particle size range | ISO 13322-2:2006 | mm | 0,8-2,0 | 0,8-2,0 | |
| | EN 15330-1 / FIFA | mm | 0,8-2,0 | 0,8-2,0 | |
| Particle Size < 0,5 mm | DIN 53477:1992-11 | % | < 1,0 | 0,15 | |
| Total polymer content (RCH) | ISO 9924-3:2009 | % | > 40 | 45 | |
| Ash content | ISO 9924-3:2009 | % | < 15 | 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 | |
| Content of coloured rubber particles (Note 2) | OA-698; (Note 1) | % | < 0,1 | < 0,04 | |
| Other contamination | OA-698; (Note 1) | % | < 0,004 | < 0,001 | |
| Inhalable dust classification | EN 15051 -2:2013+A1:2016 | | Very low to low | Very low | |
| PAH 8 REACH | AfPS GS 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: Values for material manufactured at the Houston plant may exceed values stated.

| Remarks | |
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| DIN 18035-7:2019 | GENAN FINE - extra sieving complies with all requirements in relation to migration according to DIN 18035-7:2019. |
| EN 71-3:2019 | GENAN FINE - extra sieving complies with all requirements according to EN 71-3:2019_Safety of Toys - Part 3: Migration of certain elements. |
| ASTM F3188-16 | GENAN FINE - extra sieving complies with all requirements according to ASTM F3188-16_Standard Specification for Extractable Hazardous Metals in Synthetic Turf Infill Materials. |
| 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 FINE - extra sieving complies with all requirements for infill according to FIFA 2015, World Rugby 2016 and EN15330-1:2013. |
| National standards | GENAN FINE - extra sieving complies with all requirements for infill according to RAL GZ 944, NF P90-112 and ÖISS. |
| Particle size distribution | Information on the actual particle size distribution is available on the relevant sieve curves, which may be downloaded from the Genan website at any time. |
| Health & Safety | Guidelines on health and safety are stated in the relevant Safety Data Sheet, which may be downloaded from the Genan website at any time. |

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 |