

# TECHNICAL DATA SHEET



<b>Product name</b>	<b>Revised</b>
GENAN FINE	04.05.2018

**Product description**  
Free-flowing, homogenous 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 gravity	ASTM D1817-05(2016)	kg/m <sup>3</sup>	1.100-1.200	1.160
Bulk density	EN 1097-3:1998	kg/m <sup>3</sup>	405 ±6%	405
Particle size range	ISO 13322-2:2006	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	OA-698; (Note 1)	%	≤ 0,1	< 0,04
Other contamination	OA-698; (Note 1)	%	≤ 0,004	< 0,002
Inhalable dust classification	EN 15051-2:2013		Very low to low	Very low
EOX	acc. DIN 18035-7; Tab. B.1	mg/kg	≤ 100	< 20
DOC	acc. DIN 18035-7; Tab. B.1	mg/l	≤ 50	< 30
Pb (in hydrous eluate)	acc. DIN 18035-7; Tab. B.1	mg/l	≤ 0,025	< 0,02
Cd (in hydrous eluate)	acc. DIN 18035-7; Tab. B.1	mg/l	≤ 0,005	< 0,001
Chrom total (in hydrous eluate)	acc. DIN 18035-7; Tab. B.1	mg/l	≤ 0,05	< 0,008
Chrom VI (in hydrous eluate)	acc. DIN 18035-7; Tab. B.1	mg/l	≤ 0,008	< 0,008
Hg (in hydrous eluate)	acc. DIN 18035-7; Tab. B.1	mg/l	≤ 0,001	< 0,001
Sn (in hydrous eluate)	acc. DIN 18035-7; Tab. B.1	mg/l	≤ 0,04	< 0,02
Zn (in hydrous eluate)	acc. DIN 18035-7; Tab. B.1	mg/l	≤ 0,5	< 0,2
PAH 8 REACH	AfPS GS 2014:01 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 5603 are below the detection limits.

Remarks	
DIN 18035-7:2014-10	GENAN FINE complies with all requirements in relation to migration according to DIN 18035-7:2014-10.
EN 71-3 + A1:2014	GENAN FINE complies with all requirements according to EN 71-3 + A1:2014_Safety of Toys - Part 3: Migration of certain elements.
ASTM F3188-16	GENAN FINE complies with all requirements according to ASTM F3188-16_Standard Specification for Extractable Hazardous Metals in Synthetic Turf Infill Materials.
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.
	ISO 9001:2008 ISO 14001:2004 ISO 50001:2011	ISO 9001:2015 ISO 14001:2015 ISO 50001:2011 OHSAS 18001:2007 (Dorsten)	ISO 9001:2015 ISO 14001:2015