

TECHNICAL DATA SHEET



Product name	Revised
GENAN FINE-MIX	12.12.2017

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 ³	1.100-1.200	1.160
Bulk density	EN 1097-3:1998	kg/m ³	440 ±7%	440
Particle size range	ISO 13322-2:2006	mm	0,8-3,0	0,8-3,0
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
Other contamination	OA-698: (Note 1)	%	≤ 0,004	≤ 0,002
Inhalable dust classification	EN 15051-2:2013		Very low to low	Very low
EOX	EN ISO 9562:2005-02	mg/kg	≤ 100	≤ 20
DOC	EN 1484:1997	mg/l	≤ 50	≤ 30
Pb (in hydrous eluate)	EN ISO 11885:2009	mg/l	≤ 0,025	≤ 0,02
Cd (in hydrous eluate)	EN ISO 11885:2009	mg/l	≤ 0,005	≤ 0,001
Chrom total (in hydrous eluate)	EN ISO 11885:2009	mg/l	≤ 0,05	≤ 0,008
Chrom VI (in hydrous eluate)	EN ISO 11885:2009	mg/l	≤ 0,008	≤ 0,008
Hg (in hydrous eluate)	EN ISO 12846:2012	mg/l	≤ 0,001	≤ 0,001
Sn (in hydrous eluate)	EN ISO 11885:2009	mg/l	≤ 0,04	≤ 0,02
Zn (in hydrous eluate)	EN ISO 11885:2009	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-MIX complies with all requirements in relation to migration according to DIN 18035-7:2014-10.
EN 71-3 + A1:2014	GENAN FINE-MIX 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-MIX 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 ISO 9001:2008 ISO 14001:2004 ISO 50001:2011	Genan GmbH ISO 9001:2015 ISO 14001:2015 ISO 50001:2011 OHSAS 18001:2007 (Dorsten)	Genan Inc. ISO 9001:2015 ISO 14001:2015
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