

# TECHNICAL DATA SHEET



<b>Product name</b>	<b>Revised</b>
GENAN FINE/MIX	01.07.2023

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

<b>Contact Data of Manufacturer</b>						
Plant:	Genan A/S Jegindøvej 16 DK-8800 Viborg Denmark	Genan GmbH Gottlieb-Daimler Straße 34 D-46282 Dorsten Germany	Betriebsstätte Oranienburg: Birkenallee 80 D-16515 Oranienburg Germany	Betriebsstätte Kammlach: Im Gewerbepark Unterallgäu 1 D-87754 Kammlach Germany	Genan, S.A. Lugar da Pardala Estrada Nacional 109, Km 31 PT-3880-728 São João de Ovar Portugal	Genan Inc. 18038 Beaumont Hwy. Houston TX77049 USA
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<b>Typical properties</b>				
Properties	Test methods	Unit	Specification	Typical values
Specific density	ASTM D1817-05 (2021)	kg/m <sup>3</sup>	1.100-1.200	1.160
Bulk density	EN 1097-3:1998	kg/m <sup>3</sup>	430 ±8%	430
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
Content of coloured rubber particles (Note 2)	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+A1:2016	n/a	Very low to low	Very low
PAH 8 REACH	AfPS CS 2019:01 PAK	mg/kg	< 20	< 15
<i>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.</i>				
<i>Note 2: Values for material manufactured at the Houston plant may exceed values stated.</i>				

<b>Remarks</b>	
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/MIX complies with all requirements for infill according to FIFA 2015, World Rugby 2016 and EN 15330-1:2013.
Content of chemical substances	GENAN FINE/MIX 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.
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