

# TECHNICAL DATA SHEET



<b>Product name</b>	<b>Revised</b>
GENAN FINE	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 <sup>3</sup>	1.100-1.200	1.160	
Bulk density	EN 1097-3:1998	kg/m <sup>3</sup>	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	< 0,002	
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	
DIN 18035-7:2019	GENAN FINE complies with all requirements in relation to migration according to DIN 18035-7:2019.
EN 71-3:2019	GENAN FINE complies with all requirements according to EN 71-3:2019_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.
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 complies with all requirements for infill according to FIFA 2015, World Rugby 2016 and EN15330-1:2013.
National standards	GENAN FINE 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