

TECHNICAL DATA SHEET



Product name	Revised
GENAN FINE POWDER	11.12.2023

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

Contact Data of Manufacturer						
Plant:	Genan A/S Jegindøvej 16 DK-8800 Viborg Denmark	Genan GmbH Cottlieb-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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Typical properties					
Properties	Test methods	Unit	Specification	Typical values	
Specific density	ASTM D1817-05 (2021)	kg/m ³	1.100-1.200	1.160	
Bulk density	EN 1097-3:1998	kg/m ³	345 ±8%	345	
Particle size range	ISO 13322-2:2021	mm	0,2-0,8	0,2-0,8	
Total polymer content (RCH)	ISO 9924-1:2023	%	> 50	50	
Ash content	ISO 9924-1:2023	%	< 20	8	
Carbon black	ISO 9924-1:2023	%	25-40	30	
Acetone extractable	ISO 9924-1:2023	%	5-15	7	
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	
PAH 8 REACH	AfPS GS 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>					

Remarks	
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.
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.
Other contamination (than steel & textile fibres)	GENAN FINE POWDER is a recycled product manufactured with end-of-life tyres as feedstock. Free impurities in the form of minerals may thus occur.
Agglomeration	GENAN FINE POWDER may due to its physical properties - and depending on weather / storage conditions - have a tendency to cake over time. Storage as recommended in section 7.2 of the safety data sheet for this product.
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 ISO 9001:2015 ISO 14001:2015 ISO 45001:2018 ISO 50001:2018	Genan GmbH ISO 9001:2015 ISO 14001:2015 ISO 45001:2018 ISO 50001:2018	Genan Inc. ISO 9001:2015 ISO 14001:2015 ISO 45001:2018 ISO 50001:2018	Genan, S.A. ISO 9001:2015 ISO 14001:2015 ISO 45001:2018 ISO 50001:2018
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