

TECHNICAL DATA SHEET



Product name	Revised
GENAN 0,0-0,5	01.05.2022

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 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
Tel:	+45 8728 3000	+49 2362 9527 0	+49 3301 578 0	+49 8261 7369 0	+351 256 580 600	+1 713 6748500
Fax:		+49 2362 9257 150	+49 3301 578 150	+49 8261 7369 150		+1 713 6748501
E-mail:	info-dk@genan.com	info-de@genan.com			info-pt@genan.com	info-us@genan.com

Typical properties				
Properties	Test methods	Unit	Specification	Typical values
Specific density	ASTM D1817-05(2016)	kg/m ³	1.100-1.200	1.160
Bulk density	EN 1097-3:1998	kg/m ³	370 ±8%	370
Particle size range	ISO 13322-2:2006	mm	0,0-0,5	0,0-0,5
Total polymer content (RCH)	ISO 9924-3:2009	%	> 40	45
Ash content	ISO 9924-3:2009	%	< 25	8
Carbon black	ISO 9924-1:2016	%	25-40	32-36
Acetone extractable	ISO 9924-1:2016	%	5-15	7-12
Moisture content (Loss: 2h @ 105°C)	ASTM D1509 - 15	%	< 1	< 1
Free metal content	OA-698; (Note 1)	%	< 0,5	< 0,3
Free fibre content	OA-698; (Note 1)	%	< 0,5	< 0,2
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

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	
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 may be downloaded from the Genan website at any time.
Other contamination (than steel & textile fibres)	GENAN 0,0-0,5 is a recycled product manufactured with end-of-life tyres as feedstock. Free impurities in the form of minerals may thus occur.
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