

# TECHNICAL DATA SHEET



<b>Product name</b>	<b>Revised</b>
GENAN 40 Mesh	05.11.2020

<b>Product description</b>
Free-flowing, homogenous and uniform, black rubber powder derived from end-of-life tyres through cryogenic milling. As anti-caking agent, 0.5% SiO <sub>2</sub> (Ultrasil®VN3) is added.

<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 Kammloch: Im Gewerbepark Unterallgäu 1 D-87754 Kammloch 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	+49 8261 7369 0	+1 713 6748500
Fax:		+49 2362 9257 150	+49 3301 578 150	+49 8261 7369 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

<b>Typical properties</b>			<b>40 Mesh</b>	<b>40 Mesh</b>	<b>40 Mesh</b>
			<b>0-425 µm (V1)</b>	<b>125-425 µm (V2)</b>	<b>180-425 µm (V3)</b>
Properties	Test methods	Unit	Typical values	Typical values	Typical values
Specific density	ASTM D1817-05(2016)	kg/m <sup>3</sup>	1.160	1.160	1.160
Bulk density	EN 1097-3:1998	kg/m <sup>3</sup>	475	435	460
Particle size range	ASTM D5644-01(2013)	µm	0-425	125-425	180-425
Particles > 425 µm (max. 10%)	ASTM D5644-01(2013)	%	< 1	< 1	< 1
Total polymer content (RCH)	ISO 9924-1:2016	%	≥ 40	≥ 40	≥ 40
Ash content	ISO 9924-1:2016	%	8	8	8
Carbon black	ISO 9924-1:2016	%	25 - 35	25 - 35	25 - 35
Acetone extractable	ISO 1407:2011	%	5 - 15	5 - 15	5 - 15
Moisture content (Loss: 2h @ 105°C)	ASTM D1509 - 15	%	< 2	< 2	< 2
Free metal content	OA-698; (Note 1)	%	≤ 0,01	≤ 0,01	≤ 0,01
Free fibre content	OA-698; (Note 1)	%	≤ 0,01	≤ 0,01	≤ 0,01
Other contamination	OA-698; (Note 1)	%	≤ 0,01	≤ 0,01	≤ 0,01
PAH 8 REACH	AIPS GS2014:01 PAK	mg/kg	≤ 20	≤ 20	≤ 20
<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 5603 are below the detection limits.</i>					

<b>Remarks</b>	
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.*

<b>CERTIFICATIONS</b>	<b>Genan A/S</b> ISO 9001:2015 ISO 14001:2015 ISO 50001:2018	<b>Genan GmbH</b> ISO 9001:2015 ISO 14001:2015 ISO 45001:2018 ISO 50001:2018	<b>Genan Inc.</b> ISO 9001:2015 ISO 14001:2015	<b>Genan, S.A.</b> ISO 9001:2015
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