

TECHNICAL DATA SHEET



Product name	Revised
GENAN 80 Mesh	01.07.2023

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

Contact Data of Manufacturer						
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Typical properties	Test methods	Unit	80 Mesh	80 Mesh
			0-180 µm (V1)	125-180 µm (V2)
Properties			Typical values	Typical values
Specific density	ASTM D1817-05(2021)	kg/m ³	1.160	1.160
Bulk density	EN 1097-3:1998	kg/m ³	435	410
Particle size range	ASTM D5644-01(2013)	µm	0-180	125-180
Particles > 180 µm (max. 10%)	ASTM D5644-01(2013)	%	< 5	< 8
Total polymer content (RCH)	ISO 9924-1:2023	%	> 50	> 50
Ash content	ISO 9924-1:2023	%	8	8
Carbon black	ISO 9924-1:2023	%	30	30
Acetone extractable	ISO 9924-1:2023	%	7	7
Moisture content (Loss: 2h @ 105°C)	ASTM D1509-15	%	< 2	< 2
Free metal content	OA-698; (Note 1)	%	< 0,01	< 0,01
Free fibre content	OA-698; (Note 1)	%	< 0,01	< 0,01
Other contamination	OA-698; (Note 1)	%	< 0,01	< 0,01
PAH 8 REACH	AfPS GS 2019:01 PAK	mg/kg	< 20	< 20

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.

Remarks	
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.
Agglomeration	GENAN 80 Mesh 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