

# TECHNICAL DATA SHEET



Product name	Revised
GENAN 80 Mesh	01.07.2020

**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<sub>2</sub> (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(2016)	kg/m <sup>3</sup>	1.160	1.160
Bulk density	EN 1097-3:1998	kg/m <sup>3</sup>	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 9924-1:2016	%	≥ 40	≥ 40
Ash content	ISO 9924-1:2016	%	8	8
Carbon black	ISO 9924-1:2016	%	25 - 35	25 - 35
Acetone extractable	ISO 1407:2011	%	5 - 15	5 - 15
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 2014:01 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 5603 are below the detection limits.

Remarks	
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 14001:2015 ISO 50001:2018	ISO 9001:2015 ISO 14001:2015 ISO 50001:2018 OHSAS 18001:2007 (Dorsten)	ISO 9001:2015 ISO 14001:2015	ISO 9001:2015