

# TECHNICAL DATA SHEET



Product name	Revised
GENAN RUBBER MODIFIER – PREMIXED	21.12.2023

Product description
Homogeneous rubber product made from rubber powder, derived from end-of-life tyres through granulation and cleaning, and mixed with the semicrystalline polyolefin additive VESTENAMER®.

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 (2021)	kg/m <sup>3</sup>	1.100-1.200	1.160
Bulk density	EN 1097-3:1998	kg/m <sup>3</sup>	330 ±16%	330
Particle size range: d10 - D90	ISO 13322-2:2006	mm	0,2-3,0	0,2-3,0
Total polymer content (RCH)	ISO 9924-1:2023	%	> 40	57
Ash content	ISO 9924-1:2023	%	< 15	8
Carbon black	ISO 9924-1:2023	%	25-40	25-30
Acetone extractable	ISO 9924-1:2023	%	5-15	7
Free metal content	OA-698; (Note 1)	%	< 0,004	< 0,002
Free fibre content	OA-698; (Note 1)	%	< 0,2	< 0,1
Content of coloured rubber particles (Note 2)	OA-698; (Note 1)	%	< 0,1	< 0,04
Melting point	ASTM D3418-21	°C	40-60	54
Glass transition temperature	ASTM D3418-21	°C	[-64] - [-54]	-59
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.
Content of chemical substances	GENAN RUBBER MODIFIER – PREMIXED complies with DIN 18035-7:2019, EN 71-3:2019_Safety of Toys – Part 3, ASTM F3188-16 and SVHC limits as specified in the REACH candidate list (potential candidate substances included).
Other contamination (than steel & textile fibres)	GENAN RUBBER MODIFIER – PREMIXED is a recycled product manufactured with end-of-life tyres as feedstock. Free impurities in the form of minerals may thus occur.
Agglomeration	GENAN RUBBER MODIFIER – PREMIXED 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	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