

TECHNICAL DATA SHEET



| Product name | Revised |
|----------------------------------|------------|
| GENAN RUBBER MODIFIER – PREMIXED | 01.10.2024 |

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 | Typical values | Specification |
| Specific density | ASTM D1817 | kg/m ³ | 1160 | 1100-1200 |
| Bulk density | EN 1097-3 | kg/m ³ | 330 | 330 ±8% |
| Total polymer content (RCH) | ISO 9924-1 | % | 57 | > 40 |
| Ash content | ISO 9924-1 | % | 8 | < 15 |
| Carbon black | ISO 9924-1 | % | 25-30 | 25-40 |
| Melting point | ASTM D3418 | °C | 54 | 40-60 |
| Glass transition temperature | ASTM D3418 | °C | -59 | [-64] - [-54] |
| PAH 8 REACH | AfPS GS 2019:01 PAK | mg/kg | < 15 | < 20 |

| Remarks | |
|--------------------------------------|---|
| PAH 8 REACH | A material sample has been extracted in accordance with EN 17409, 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, EN 71-3_Safety of Toys – Part 3, ASTM F3188 and SVHC limits as specified in the REACH candidate list (potential candidate substances included). |
| Content of coloured rubber particles | GENAN RUBBER MODIFIER – PREMIXED is a recycled product manufactured with end-of-life tyres as feedstock. Coloured rubber particles may thus occur. |
| Impurities | GENAN RUBBER MODIFIER – PREMIXED is a recycled product manufactured with end-of-life tyres as feedstock. Free impurities in the form of metal, textile, minerals, small stones, plastic and wood 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 |