



# Technical data Sheet

PE HD R I 003 Post consumer

Ref: 00000-25

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## Product description:

This product is a high quality recycled raw material supplied in the form of pellets.

The product contains at least 95% of post-consumer material from pre-sorted plastic waste and suitable to be used in various application either at 100% or in a blend.

This product is not intended for highly regulated applications including food contact, medical and pharmaceutical applications.

|                     |                           |
|---------------------|---------------------------|
| <b>Material Id:</b> | General                   |
| <b>Qty (Kg):</b>    | -                         |
| <b>Colour:</b>      | Black or Green            |
| <b>Material:</b>    | High density polyethylene |
| <b>Application:</b> | Injection moulding        |

| Physical Properties           | Test condition      | Value | Unit              | Test Method    | Remark |
|-------------------------------|---------------------|-------|-------------------|----------------|--------|
| <b>Mechanical properties</b>  |                     |       |                   |                |        |
| E - mod                       | (1 mm/min: +23 °C)  | 700   | Mpa               | ISO 527-1-2 *  |        |
| Elongation at break           | (50 mm/min: +23 °C) | 250   | %                 | ISO 527-1-2 *  |        |
| Tensile stress at yield       | (50 mm/min: +23 °C) | 20    | Mpa               | ISO 527-1-2 *  |        |
| Tensile stress at break       | (50 mm/min: +23 °C) | 10    | Mpa               | ISO 527-1-2 *  |        |
| Charpy impact strength, notch | (+23 °C)            | 6     | Kj/m <sup>2</sup> | ISO 179 /1eA * |        |
| <b>Other properties</b>       |                     |       |                   |                |        |
| Density                       | (+23 °C)            | 0.957 | g/cc              | ISO 1183 *     |        |
| <b>Rheological properties</b> |                     |       |                   |                |        |
| Melt Flow Rate                | (190 °C: 2,16 kg)   | 3     | g/10 min          | ISO 1133 *     |        |

\* Test results are based on the relevant standard as a guideline.

The values may fluctuate

## Quality:

Aage Vestergaard Larsen A/S is certified in accordance with ISO 9001:2015, ISO 14001:2015 and ISO 50001:2018.



**Health and safety:**

The product is not classified as dangerous.

The safety data sheet can be found on our website or contact sales at Aage Vestergaard Larsen A/S.

**Storage:**

Do not store outside, in high temperatures, or in high humidity. Avoid large fluctuations in ambient temperature to prevent formation of condensation. Keep the material dry for good processing conditions.

**Disclaimer:**

Any sale by Aage Vestergaard Larsen A/S is made under general terms and conditions of sale and delivery.

All though all the statements and information in this document are believed to be accurate and reliable, Aage Vestergaard Larsen A/S assumes no legal responsibility for the precision of the test results, nor makes no warranties which extend beyond the description contained herein.

It is the customer's responsibility to inspect and perform appropriate tests and analysis of the material, to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe, legal use, and processing as well as handling of our products.