

# PO Granulate

Product specification:  
A post-consumer recycled Polyolefin for general use.  
Application: extrusion, injection moulding.

|                               | Typical property                                | Specification range | Unit              | Standard                                 |
|-------------------------------|---|---------------------|-------------------|--|
| <b>Product information</b>    | Product   | PO Granulate        |                   |  |
|                               | Colour  | Grey/Black          |                   |  |
|                               | Filtration                                      | 400 / 800           | micron            |  |
| <b>Physical properties</b>    | Density   | 0,95                | g/ml              | ISO 1183-1A                              |
|                               | Bulk Density                                    | 0,48                | g/l               | ISO 60                                   |
| <b>Rheological properties</b> | Melt Flow MFR (190 °C/2,16 Kg.)                 | 2 - 4               | g/10 min.         | ISO 1133                                 |
|                               | Melt Flow MFR (190 °C/21,6 Kg.)                 | 160 - 240           | g/10 min.         | ISO 1133                                 |
| <b>Thermal analysis</b>       | DSC   | PP: 20 - 40         | %                 | ISO13357                                 |
| <b>Mechanical analysis</b>    | Charpy (notched) impact strength                | 6-8                 | kJ/m <sup>2</sup> | ISO 179-1<br>+23 °C/1eA                  |
| <b>Tensile properties</b>     | Tensile Modulus                                 | 700 - 900           | MPA               | ISO 527-2 type 1A<br>(+23 °C, 1 mm/min)  |
|                               | Tensile Strength                                | 17-20               | MPA               | ISO 527-2 type 1A<br>(+23 °C, 50 mm/min) |
|                               | Tensile Strain                                  | 30-130              | %                 | ISO 527-2 type 1A<br>(+23 °C, 50 mm/min) |
| <b>Additional information</b> | Ash content                                     | 2- 4 %              | %                 |  |
| <b>Packaging</b>              | Big Bag on one way pallet. Size 104x104x210 cm. |                     |                   |  |

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## Note:

- The information in this product information is based on our current technical knowledge and experiences. These are typical properties that should not be regarded as specification limits
- It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the product for the customer's particular purpose.  
The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.
- Please note this polymer is not approved for use in food, medical or toy applications.
- REACH compliant.



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