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| PDS No. 643401/<br>644401/<br>646401/<br>649401 | <b>PRODUCT DATA SHEET</b>  | Page 1 of 1  |
| Revision 04                                     | PA Disposal Bags<br>Greiner Item-No. 643401 / 644401 / 646401 / 649401 | <br>greiner bio-one |

| 1.  | Description / Specification |  |
|-----|-----------------------------|--|
| 1.1 | Description                 | PA disposal bags (suitable for hot-air sterilisers)  |
| 1.2 | Dimensions                  | 643401: 300 x 500 mm (± 10 mm)<br>644401: 400 x 780 mm (± 10 mm)<br>646401: 600 x 780 mm (± 10 mm)<br>649401: 700 x 1100 mm (± 10 mm)<br>Foil thickness: 0,05 mm |
| 1.3 | Volume                      | 643401: 10 l (nominal capacity)<br>644401: 30 l (nominal capacity)<br>646401: 65 l (nominal capacity)<br>649401: 130 l (nominal capacity)                        |
| 1.4 | Material / Resin            | PA (polyamide)   |
| 1.5 | Colour                      | Translucent  |
| 1.6 | Sterilisation               | No   |
| 1.7 | Quality Control             | Product-Control: testing of attributive and variable characteristics in accordance with the valid specification  |
| 1.8 | Other Information           | For single use only  |

| 2.  | Features                 |   |
|-----|--------------------------|---|
| 2.1 | Basic features           | - Oxygen transport rate of 50 µm (+23°C, 85 % air humidity):<br>39 cm³ / (m² x 24 h x bar)<br>- Water vapour transport rate of 50 µm (+23°C, 85 % air humidity):<br>30-40 g/(m² x 24 h) |
| 2.2 | Temperature range        | 0°C to +160°C   |
| 2.3 | Autoclavability          | Max. 134 °C, 30 min (steam autoclave)<br>Max. 160 °C, 2 h (hot-air steriliser)  |
| 2.4 | Centrifugation, max. RCF | N/A   |
| 2.5 | Chemical Resistance      | N/A   |
| 2.6 | Shelf life               | 5 years after month of production   |
| 2.7 | Other Information        | Protect from direct light   |

| 3.  | Packaging         | 643401 / 644401   | 646401  | 649401  |
|-----|-------------------|---|---|---|
| 3.1 | Pieces / Bag      | 500   | 300   | 200   |
| 3.2 | Pieces / Box      | 500   | 300   | 200   |
| 3.3 | Lot-No.           | E YY MM XXX<br>(manufacturing facility,<br>year, month,<br>consecutive SAP-No.) | E YY MM XXX<br>(manufacturing facility,<br>year, month,<br>consecutive SAP-No.) | E YY MM XXX<br>(manufacturing facility,<br>year, month,<br>consecutive SAP-No.) |
| 3.4 | Other Information | -   | -   | -   |

| 4. | Other Information |
|----|-------------------|
|    | -                 |

Data Sheet subject to change without notice!

| Prior Issue     | Drawn              | Approved              | Released           | CONFIDENTIAL: Information contained in this document or drawing is confidential and proprietary to Greiner Bio-One GmbH. This document may not be reproduced for any reason without written permission from Greiner Bio-One GmbH. All rights of design, invention, and copyright are reserved. |
|-----------------|--------------------|-----------------------|--------------------|--|
| Revision 03     | Date 20 April 2015 | Date 21 April 2015    | Date 21 April 2015 |  |
| Date 03.03.2011 | Name S. Kaelberer  | Name Dr. L. Marchetti | Name A. Schulz     |  |

**DISCLAIMER:** The description of a certain product can only be considered as a guidance, because its performance ultimately depends on what the product is used for. Very often performance studies are indispensable.