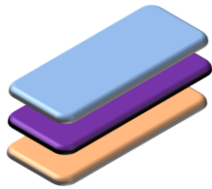




**TECHNICAL DATA SHEET**

**1-SIDE PVDC COATED, VERY LOW SEAL BOPP FILM**

**IMP609**



PVDC coated surface  
BOPP Base film  
75°C Sealing surface

A 1-side PVDC coated transparent BOPP with very low heat seal threshold, suitable for high speed horizontal form fill and seal applications. The PVDC coating gives excellent oxygen and aroma barrier. Suitable for use as a surface printed single web or in lamination with a suitable print carrier.

**PRODUCT FEATURES**

- Excellent oxygen and aroma barrier
- High heat seal strength on BOPP side
- Excellent optical properties
- Excellent printability on the PVDC coated side.
- Excellent grease and oil resistance

**APPLICATIONS**

- Suitable for high speed HFFS packaging applications
- Ideal for packaging bakery goods, puffed foods, nuts and oily products
- Suitable for use in surface printed single web applications or in laminations with a suitable print carrier
- Not suitable for liquid or frozen food packaging
- Not suitable for A-B seal construction

| PROPERTIES                    |              | TEST METHOD          | UNITS                      | IMP609      |
|-------------------------------|--------------|----------------------|----------------------------|-------------|
| <b>GENERAL</b>                |              |                      |                            |             |
| Base Web Thickness            |              |                      | Gauge                      | 110         |
| Yield                         |              | Internal Test Method | lbs/ream                   | 16.75       |
|                               |              |                      | in <sup>2</sup> /lb        | 25800       |
| Treatment Level               | PVDC side    | GB10003              | dyne                       | 46          |
| Haze                          | Maximum      | ASTM D2457           | %                          | 3.5         |
| Coefficient of Friction (CoF) | BOPP/BOPP    | ASTM D1894           | Kinetic                    | 0.40 - 0.50 |
| <b>SEALING</b>                |              |                      |                            |             |
| Heat Seal Range               | BOPP side    | 0.5sec /36psi        | °F                         | 165 - 290   |
| Heat Seal Strength            | BOPP/BOPP    | 265°F/1 sec/20psi    | g/inch                     | >650        |
| <b>MECHANICAL</b>             |              |                      |                            |             |
| Tensile Strength              | MD           | ASTM D882            | Mpa                        | 21500       |
|                               | TD           |                      | Mpa                        | 40000       |
| Elongation to Break           | MD           | ASTM D882            | %                          | 190         |
|                               | TD           |                      | %                          | 60          |
| Shrinkage (120°C / 2min)      | MD           | ASTM D1204           | %                          | 3.5         |
|                               | TD           |                      | %                          | 2.0         |
| <b>BARRIER</b>                |              |                      |                            |             |
| Water Vapor Transmission Rate | 100°F/90% RH | ASTM F1249-90        | g/100in <sup>2</sup> /24h  | 0.21        |
| Oxygen Transmission Rate      | 73°F/0% RH   | ASTM F3985           | cc/100in <sup>2</sup> /24h | 0.32        |

**Guidelines for storage**

Temperature should be less than 85°F and humidity 55±5% in storage areas. Material should be consumed within 6 months of receipt. Allow film to reach operating room temperature 24h before use.

**Printing & Lamination**

Advice should be taken from your ink and adhesive supplier.

*FDA Compliance: For information regarding food contact compliance, please contact your Impak Films representative*

Information in this publication refers to average values of reference data and/or laboratory tests on samples from standard production. It is believed to be accurate and is given in good faith, but it is for the customer to determine the suitability of the material for its own particular purpose or application. Accordingly, Impak Films Aust Pty Ltd gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that such exclusion is prevented by law. This document is not a product specification. Impak Films reserves the right to amend this product data sheet at any time without prior notification.

IMPAK FILMS AUSTRALIA (www.impakfilms.com.au)  
 ABN: 42 586 823 597 Address: Unit 1, 15-21 Butler Way, (P.O. Box 1114), Tullamarine Vic. 3043, Australia Telephone: +61 3 9310 5540 Facsimile: +61 3 9310 5590

IMPAK FILMS USA (www.impakfilms.com)  
 Address: 2300 Lake Park Drive, Suite 270, Smyrna, Georgia 30080, USA Telephone: +1 678 384 5520 Facsimile: +1 678 384 5543