

## Product Data Sheet: LDPE: BG-LD 2420F3

| Linear Low Density PE  | Film   |  |
|--|--|--|
| <b>LLDPE: BG-LD 2420F3</b>   | <b>Density: 0.9235±0.0015</b>  | <b>MFI: 0.275±0.075</b>  |
| <b>Feature:</b> <ul style="list-style-type: none"> <li>• Good flexibility</li> <li>• Good toughness</li> </ul> | <b>Application:</b> <ul style="list-style-type: none"> <li>• Heavy duty bags</li> <li>• Heavy duty shrink films</li> <li>• Peat and turf packaging</li> <li>• Agricultural films</li> <li>• Irrigation pipes</li> <li>• Top layer</li> </ul> | <b>Additive:</b> <ul style="list-style-type: none"> <li>• Natural color</li> </ul> |

\* Material properties (this data are typical values and shall not be construed as product specifications.)

| Resin Properties                  | Unit               | Condition      | Typical Value | Test Method |
|-----------------------------------|--------------------|----------------|---------------|-------------|
| Melt Flow Rate (MFR)              | gr/10min           | 190 °C/2.16 Kg | 0.275±0.075   | ISO 1133    |
| Density                           | gr/cm <sup>3</sup> | 23 °C          | 0.9235±0.0015 | ISO 1183    |
| Melting point                     | °C                 | -              | 111           | ISO 3146    |
| VICAT                             | °C                 | -              | 97            | ISO 306     |
| Tensile Modulus                   | Mpa                |                | 240           | ISO 527     |
| Tensile Strength @ Yield          | Mpa                | MD             | 24.5±2.5      | ISO 527     |
|                                   | Mpa                | TD             | 19±1          | ISO 527     |
| Stress at Yeild                   | Mpa                | -              | 10            | ISO 527     |
| Ball Indentation Hardness H 49/30 | Mpa                | -              | 17            | ISO 2039-1  |
| Shore D Hardness                  | -                  |                | 48            | ISO 868     |
| Elongation @ Break                | %                  | MD             | 200           | ISO 527     |
|                                   | %                  | TD             | 600           | ISO 527     |
| Dart Drop Impact                  | gr                 | -              | >250          | ASTM D 1709 |
|                                   | J/mm               | -              | 6.5           | DIN 53373   |
| Failure Energy                    | %                  | -              | 70            | ISO 8295    |
| coefficient of friction           | %                  | -              | ≤11           | ASTM D 1003 |
| HAZE                              | -                  | 20 °C          | >15           | ASTM D 2457 |
| Gloss                             | -                  | 60 °C          | >50           | ASTM D 2457 |

\* Guaranteed items: MFR & Density.

\* The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.

\* It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers' particular purposes. The customer is responsible for the appropriate, safe & legal use, processing and handling of all product(s) purchased from us.

\* Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particularly, warranty of merchantability or fitness for a particular purpose.