

# TECHNICAL DATA SHEET

## Product Data sheet: BG-LL 22B01

| Linear low Density PE  | Film  |
|--|---|
| LLDPE: BG-LL 22B01   | Density: 0.920 - 0.924  |
| MFI: 0.8 - 1.2   |   |
| <b>Feature:</b> <ul style="list-style-type: none"> <li>Comonomer:butane-1(c4)</li> <li>High stiffness films</li> </ul>   | <b>Application:</b> <ul style="list-style-type: none"> <li>High stiffness blown film</li> <li>Blending</li> <li>Lamination</li> </ul> |
| <b>Additives:</b> <ul style="list-style-type: none"> <li>Acid scavenger</li> <li>Antioxidants</li> <li>Anti-block and Slip agent (on customer request)</li> <li>Lubricant</li> <li>Processing aid</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 index       | g/10 min            | 190°C/2.16 kg | 0.8-1.2       | ASTM D1238   |
| Density          | g/l                 | 23°C          | 0.920-0.924   | ASTM D1505   |
| F/E Ratio        |                     |               | <30           | ASTM D1238   |
| Yellowness Index |                     |               | 0.5           | ASTM D1925   |
| Ti content       | Ppm wt              |               | 2             | MTM 15636    |
| Fish Eyes        | Gels/m <sup>2</sup> |               | 60            | MTM 17108    |
| Haze             | %                   |               | 25            | ASTM D1003   |
| Gloss 45°        | %O                  |               | 35            | MTM 1702     |
| Dart impact      | g                   |               | 75            | ASTM D1709/A |
| Tensile modulus  | 2% sec              | MD            | 150           | ASTM D882    |
|                  | Mpa                 | TD            | 180           | ASTM D882    |
| Tensile strength | Ultimate            | MD            | 49            | ASTM D882    |
|                  | Mpa                 | TD            | 43            | ASTM D882    |
| Elongation       | At braek            | MD            | 800           | ASTM D882    |
|                  | %                   | TD            | 900           | ASTM D882    |
| Elmendorf tear   | g                   | MD            | 120           | ASTM D1922   |
|                  |                     | TD            | 400           | ASTM D1922   |

| Test                       | unit              | BGLL22B01 |
|----------------------------|-------------------|-----------|
| MFR (190°C/2.16 kg)        | g/10min           | 1         |
| MFR (190°C/21.6 kg)        | g/10min           | 25        |
| Average Density            | g/cm <sup>3</sup> | 0.922     |
| Tensile Str. at Yield (MD) | MPa               | 11        |
| Tensile Str. at Yield (TD) | MPa               | 10        |
| Vicat Softening Point      | °C                | 111       |