

Product Data Sheet: BG-HD-EX5

| High Density Polyethylene | Film | |
|---|---|--|
| HDPE: BG-HD EX5 | Density: 0.949±0.002 | MFI: 0.28 ± 0.05 |
| Feature: <ul style="list-style-type: none"> + Comonomer Butene-1 (C4) + Good stiffness + High Density | Application: <ul style="list-style-type: none"> + For blown films with paper like quality + Suitable for counter bags + Excellent processing + Carrier bags and wrapping films | Additive: <ul style="list-style-type: none"> + Antioxidants + Lubricant |

* 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/5 Kg | 0.28 ± 0.05 | ISO 1133 |
| Density | g/cm ³ | 23°C | 0.949 ± 0.002 | ISO 1183 |
| Stress @ yield | Mpa | MD | 24 | ASTM638-02 |
| Stress @ yield | Mpa | TD | 24 | ASTM638-02 |
| Stress @ break | Mpa | MD | 35 | ASTM638-02 |
| Stress @ break | Mpa | TD | 35 | ASTM638-02 |
| MAX Tensile Strength | Mpa | TD | 40 | ASTM638-02 |
| | Mpa | MD | 45 | ASTM638-02 |
| Tear Strength | mN | TD | 340 | ASTM D1922 |
| | mN | MD | 200 | ASTM D1922 |
| MAX Elongation at break | % | TD | 450 | ASTM D638-02 |
| | % | MD | 400 | ASTM D638-02 |
| Softening temperature | °C | - | 75 | ISO 306 |
| Shore D | Mpa | - | 60 | ISO 868 |
| Dart Drop | Kj/m ² | - | 220 | ASTM D 1709 |
| Charpy notch impact strength | Mpa | - | 22 | ISO 179/1 EA |
| Modulus of elasticity | Mpa | TD | 500 | ASTM D638-02 |
| | Mpa | MD | 400 | ASTM D638-02 |
| Volatiles | Wt% | - | ≤ 0.02 | ASTM-1203 |
| Yellowness Index | - | - | < -1 | ASTM D 1925 |
| Contamination | Rating | - | ≤ 2 | Internal |

* 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.