Braskem

Datasheet
Mar/2021

# Linear Low-Density Polyethylene RPL 4C2 BL

## Description:

The linear low-density polyethylene **RPL 4C2 BL** is obtained from **post-consumer** packaging and it has a concentration of **55% recycled material**. This product color is **translucent blue**.

## Applications:

Industrial Sacks, Liners, Blends with HDPE, Blends with LLDPE, Blends with LDPE, General use packing

## Processes:

Blown Film Extrusion, Film Extrusion - General Use

## Control Properties:

| Feature | Method | Units | Values |
|---|---|---|---|
| Melt Flow Rate (190°C/2.16kg) | ASTM D 1238 | g/10 min | 1.5 |
| Density | ASTM D 792 | g/cm³ | 0.925 |

## Typical Properties - Films:

Blown Film Properties[a]

| Feature | Method | Units | Values |
|---|---|---|---|
| Tensile Strength at Break (MD/TD) | ASTM D 882 | MPa | 29/28 |
| Elongation at Break (MD/TD) | ASTM D 882 | % | 1100/1370 |
| Dart Drop Impact | ASTM D 1709 | g/F50 | 125 |
| Elmendorf Tear Strength (MD/TD) | ASTM D 1922 | gF | 185/620 |
| Secant Modulus 1% | ASTM D 882 | MPa | 210/240 |

(a) Film with 12,5 microns produce in a 75mm extruder with 1,3 mm of die gap and a blow-up ratio of 4.5:1. (MD = extrusion direction and TD = transversal direction).

## Final Remarks

1. As expected of a recycled material, the composition of this product is not entirely known and may vary. This product has not been tested by Braskem, being client's sole responsibility to verify the product's suitability for the intended use. Braskem is not responsible for any use of this product in discordance with the applicable legislation.
2. This product is not intended for medical and pharmaceutical applications, food contact, contact with drinking water and toys. This product has not been assessed with regards to cosmetics regulations. Braskem does not make any warranties of merchantability or suitability of the product for a particular purpose or for a particular sector, sectors not mentioned above are not expressly or implicitly recommended. It is client's sole responsibility to verify the product's suitability for their intended use.
3. The data provided in this document is limited to the extent of Braskem's knowledge and/or supplier's information provided to Braskem on this date. The document herein relates only to the specific product designated and may not be valid for such product used in combination with any other product or in any process, unless otherwise specified.