


**Datasheet**  
Mar/2021

## Linear Low-Density Polyethylene RPL 4C5 WE

### Description:

The linear low-density polyethylene **RPL 4C5 WE** is obtained from **reverse logistic** of industrial bags and it has a concentration of **55% recycled material**. This product color is **white**.

### Applications:

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

### 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/cm <sup>3</sup> | 0.925  |

### Typical Properties - Films:

Blown Film Properties<sup>a</sup>

| Feature                           | Method      | Units | Values    |
|-----------------------------------|-------------|-------|-----------|
| Tensile Strength at Break (MD/TD) | ASTM D 882  | MPa   | 29/28     |
| Elongation at Yield (MD/TD)       | ASTM D 882  | %     | 1090/1350 |
| Dart Drop Impact                  | ASTM D 1709 | g/F50 | 125       |
| Elmendorf Tear Strength (MD/TD)   | ASTM D 1922 | gF    | 180/610   |
| Secant Modulus 1%                 | ASTM D 882  | MPa   | 205/238   |

(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:

- Braskem informs this is a recycled product, which composition is not entirely known and may vary, as expected for recycled products. 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.
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