


Datasheet

Jan/2021

Linear Low-density Polyethylene RPL 0C1 WE

Description:

The linear low-density polyethylene **RPL 0C1 WE** is obtained from **reverse logistics** of industrial bags and it has a concentration of **100% recycled material**. This product color is **white**.

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	0.5
Density	ASTM D 792	g/cm ³	0.925

Typical Properties - Films:

Blown Film Properties^a

Feature	Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	24/23
Tensile Strength at Yield (MD/TD)	D 882	MPa	09/11
Dart Drop Impact	D 1709	g/F50	165
Elmendorf Tear Strength (MD/TD)	D 1922	gF	120/646
Secant Modulus 1%	D 882	MPa	199/234

(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.
- Recycled products are not fully regulated, until competent authorities define how such products shall be used, this product is not intended for highly regulated applications, e.g. medical and pharmaceutical applications, contact with food, contact with drinking water, toys and cosmetics. 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.
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