Braskem

Datasheet
Mar/2021

Linear Low-Density Polyethylene RPL 4C5 WE

Description:

The linear low-density polyethylene **RPL 4C5 WE** is obtained from from **post-consumer** packaging 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/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 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

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.
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