

Lotrène LA0710

LOW DENSITY POLYETHYLENE

Low Density Polyethylene

DESCRIPTION

Lotrène® LA0710 is mainly recommended for the extrusion coating at high speed. It contains no additive.

PROPERTIES

The structure of Lotrène® LA0710 allows it to be used for thin gauge coating at very high speeds onto various substrates.

Lotrène® LA0710 has good mechanical properties, low neck-in and excellent heat sealability. It exhibits also a good adhesion to both porous and non-porous substrates.

POLYMER PROPERTIES	VALUE	UNIT	TEST METHOD
Melt Flow Index	8.0	g/10 min.	ASTM D-1238
Density @ 23 °C	0.918	g/cm ³	ASTM D-1505
Crystalline Melting Point	105	°C	ASTM E-794
Vicat Softening Point	87	°C	ASTM D-1525

COATING PROPERTIES	VALUE	UNIT	TEST METHOD
Minimal coating weight	6	g/m ²	Internal
Neck-in	10	%	Internal

(Coating condition: Extruder: 32 L/D, Screw diameter: 75 mm, Screw speed: 50 rpm, Die gap: 0.7 mm, Die width: 500 mm, Air gap: 145 mm, Melt temperature 320 deg C.)

PROCESSING

Lotrène® LA0710 can be easily processed on all standard extrusion coating machines. However, in order to obtain the best uniform thickness and width, it is advisable to use an extruder with an L/D ratio at least 20:1, the melt temperature is suggested to be in the range of 280-330 °C.

The output depends on the nature of the substrate, the thickness of the coating and the temperature of the material.

APPLICATIONS

Coating and /or Lamination of:

- Paper
- Paper board
- Aluminum
- Cellophane film
- Photographic paper
- Polymer film
- Tarpaulin
- Paper / Aluminum
- PE Film / Aluminum