

Lotrène® LA 0710

LOW DENSITY POLYETHYLENE

DESCRIPTION

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

PROPERTIES

The suitable molecular 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 has also an excellent adhesion to both porous and non-porous substrates.

LA 0710

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	107	°C	ASTM E-794
Vicat Softening Point	86	°C	ASTM D-1525

COATING PROPERTIES	VALUE	UNIT	TEST METHOD
Minimal Coating Weight	6	g/m ²	
Neck-In	3 – 3.5	%	
Water Vapor Permeability	10 - 20	g/m ² .24h	



Lotrène® LA 0710

LOW DENSITY POLYETHYLENE

Note: The values given in this technical data sheet are the results of tests carried out in accordance with standard test procedures. They are given as indication to enable customers to make the best use of our products but must be considered as average values provided without implying any undertaking on our part.

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
- Tarapaulin
- Paper/Aluminum
- PE Film/Aluminum

SAFETY AND STORAGE

Under normal conditions Lotrène® LA0710 does not present a toxic hazard through skin contact or inhalation. During processing, contact with molten polymer and inhalation of volatilized fumes should be avoided.

Lotrène® LA0710 complies with food grade regulations FDA, 21 FR chapter 177-1520 'Olefin Polymers'. Items made from this grade do not transmit tests nor odor to the material in contact with.

Lotrène® LA0710 is inflammable and combustible (category 3) according to ISO R 1210.

Lotrène® LA0710 is supplied in plastic bags of 25 kg (net weight) each. The bags are stacked and shrink wrapped on pallets of 1500 kg each (net weight). The product is forwarded either by trucks or in 20-foot sea containers.

Lotrène® LA0710 should not be stored for more than three months nor be exposed to direct sunlight and/or heating during storage since this may adversely affect the properties of the product.

