

## RAMISLENE LLD9201C

### Linear Low Density Polyethylene

#### DESCRIPCIÓN

**RAMISLENE LLD9201C** is a butene linear low density polyethylene resin typically used for general purpose applications. Films produced from this resin are tough with good puncture resistance, high tensile strength and good hot tack properties. **RAMISLENE LLD9201C** is TNPP-free and contains 1500 pm slip and 5000 pm antiblock additives.

#### TYPICAL APPLICATIONS

Shipping sacks, ice bags, frozen food bags. stretch wrap film, produce bags, liners, carrier bags. garbage bags, agricultural films. laminated and coextruded films for meat wrap. frozen food and other food packaging. shrink film (for blending with LOPE). industrial consumer packaging, and high clarity film applications if blended with (10 - 20%) LDPE.

#### TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b> at 190 °C and 2.16 kg	1	dg / min	ASTM D1238
<b>Density</b>	0.918	kg / m <sup>3</sup>	ASTM D1505
<b>FILM PROPERTIES (1)</b>			
<b>Tear strenght MD</b>	320	kN/m	ISO 6383-2
<b>Tensile test film</b>			
Strenght at break MD	36.5	MPa	ASTM D882
Strenght at break TD	26.9	MPa	ASTM D882
Elongation at break, MD	580	%	ASTM D882
Elongation at break, TD	690	%	ASTM D882
Strenght at yield, MD	10.7	MPa	ASTM D882
Strenght at yield, TD	11.0	MPa	ASTM D882
Dart impact	90	g	ASTM D1709
<b>Tear Strength</b>	320	kN/m	ISO 6383-2
<b>THERMAL PROPERTIES</b>			
<b>Vicat Softening Temperature</b> at 10 N (VST/A)	102	°C	ASTM D1525
DST Test melting point	118	°C	Ramislene Method

1) Properties have been measured by producing 25 µm film with a 2.5 Blow-up Ratio  
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### ENVIRONMENT AND RECYCLING

The environmental aspects of any packaging material do not only imply waste issues but have to be considered in relation with the use of natural resources, the preservations of foodstuffs, etc. SABIC Europe considers polyethylene to be an environmentally efficient packaging material. Its low specific energy consumption and insignificant emissions to air and water designate polyethylene as the ecological alternative in comparison with the traditional packaging materials. Recycling of packaging materials is supported by SABIC Europe whenever ecological and social benefits are achieved and where a social infrastructure for selective collecting and sorting of packaging is fostered. Whenever 'thermal' recycling of packaging (i.e. incineration with energy recovery) is carried out, polyethylene -with its fairly simple molecular structure and low amount of additives- is considered to be a trouble-free fuel.

### PROCESSING CONDITIONS

Typical processing conditions for 118NJA are:

Melt temperature: 195°C - 215°C.

Note: Film properties are based on 1.0 mil (25 µm) thickness blown film produced with a 2.5:1 blow-up ratio at 12 lb/hr/in. die. Actual film properties may vary depending on operating conditions and additive packages. Film properties are not intended to be used as specifications.

Base density is estimated using the assumption that every 1000 ppm of antiblock in the finished product raises the density of the polymer by 0.0006 g/cm<sup>3</sup>. Base density is the estimated density of the polymer if it did not contain any antiblock.

### HEALTH, SAFETY AND FOOD CONTACT REGULATIONS

Detailed information is provided in the relevant Material Safety Datasheet and or Standard Food Declaration, available on the Internet ([www.donramis.com.mx](http://www.donramis.com.mx)).

Additional specific information can be requested via your local Sales Office."

**DISCLAIMER: This product is not intended for and must not be used in any pharmaceutical/medical applications.**

### STORAGE AND HANDLING

Polyethylene resin should be stored in a manner to prevent a direct exposure to sunlight and or heat. The storage area should also be dry and preferably do not exceed 50°C. RAMISLENE would not give warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PE resin within 6 months after delivery.

### QUALITY

RAMISLENE<sup>®</sup> is fully certified in accordance with the internationally accepted quality standard ISO 9001-20015

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