

## RAMISLENE LLD9202C

### Linear Low Density Polyethylene

#### DESCRIPCIÓN

**RAMISLENE LLD9202C** 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. 2 1 8WIA is TNPP-free and contains 1500 pm slip and 5000 pm antiblock additive.

#### 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 LDPE), 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	2.0	dg/min	ISO 1133
<b>Density</b>	0.918	kg/m <sup>3</sup>	ASTM D1505
<b>OPTICAL PROPERTIES</b>			
<b>Gloss (45°)</b>	22	%	ASTM D2457
<b>Haze</b>	29	%	ASTM D1003
<b>FILM PROPERTIES</b>			
<b>Puncture resistance</b>	63	J / m	Ramislene method
<b>Tear strength MD</b>	340	kN / m	ISO 6383-2
<b>Tensile test film</b>			
Stress at break MD	36.5	MPa	ASTM D882
Stress at break TD	26.0	MPa	ASTM D882
Elongation at Break MD	660	%	ASTM D882
Elongation at Break TD	780	%	ASTM D882
Strength at Yield MD	8.5	MPa	ASTM D882
Strength at Yield TD	8.6	MPa	ASTM D882
Dart Impact	70	MPa	ASTM D1709
<b>Tear strength TD</b>	340	kN / m	ISO 6383-2
<b>THERMAL PROPERTIES</b>			
<b>Vicat Softening Temperature</b> at 10 N (VST  A)	98	°C	ASTM D1525
<b>DSC test</b> melting point	110	°C	Ramislene method

1) Properties have been measured by producing 25 micron film with a 2.5:1 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. RAMISLENE 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 RAMISLENE 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.

### RPROCESSING CONDITIONS

Typical processing conditions for 2 1 8WiA are:

Meit temperature: 195°C - 215°C.

Note: Film properties are based on 1.0 mil (25 um) 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 cm3, Base density is the estimated density of the polymer it 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 oduct is not intended for and must not be used in any pharmaceutical medical applications.**

### QUALITY

RAMISLENE is fully certified in accordance with the internationally accepted quality standard ISO 9001-2015.

### 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 polyethylene resin within 6 months after delivery.

### DISCLAIMER

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