

## RAMISLENE MLLD1835

### Metallocene Linear Low Density Polyethylene

#### DESCRIPCIÓN

**RAMISLENE MLLD1835** Metallocene Linear Low Density Polyethylene (mLLDPE) is a metallocene ethylene-hexene copolymer. It has a good processability and • performs well in a wide range of general purpose and high performance cast film applications. Films produced with this grade offer good impact strength, puncture resistance, sealing and optical properties.

**RAMISLENE MLLD1835** Metallocene Linear Low Density Polyethylene (mLLDPE) is typically used for stretch and lamination films.

Processing temperatures 210- 260 °C. Properties have been measured on cast film of 25 µm.

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

#### 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	3.5	g / 10 min	ASTM D1238
<b>Density</b>	0.918	g / cc	ASTM D1792
<b>MECHANICAL PROPERTIES</b>			
Dart Impact Strength (1)	140	g/µm	ASTM D1709
<b>OPTICAL PROPERTIES</b>			
Haze	2.4	%	ASTM D1003
<b>FILM PROPERTIES</b>			
Tear strength TD Elmendorf	190	g/µm	ASTM D1922
Tear strength MD Elmendorf	500	g/µm	ASTM D1922
<b>Tensile test film</b>			
Strain at break MD	510	%	ASTM D882
Strain at break TD	680	%	ASTM D882
Stress at break MD	70	MPa	ASTM D882
Stress at breakTD	47	MPa	ASTM D882
Yield stress TD	1200	MPa	ASTM D882
Yield stress MD	1100	MPa	ASTM D882
<b>THERMAL PROPERTIES</b>			
<b>DSC test</b>			
melting point	114	°C	ASTM D3418
<b>Vicat Softening Temperature</b>			
at 10 N (VST/A)	100	°C	ISO 306

(1) Dart Impact F50 is measured via ASTM D1709 A

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#### **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

#### **DISCLAIMER**

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