DDR®
DISTRIBUIDORA DON RAMIS

RAMISLENE®

RAMISLENE MLLD1810 / METALLOCENE LINEAR LOW DENSITY POLYETHYLENE (MLLDPE)

METALLOCENE C6 LLDPE

DESCRIPTION

RAMISLENE® MLLD1810 Metallocene Linear Low Density Polyethylene (mLLDPE) **MLLD1810** is a metallocene ethylene-hexene copolymer. It has a good processability and performs well in a wide range of general purpose and high performance blown film applications. Films produced with this grade offer good tensile and impact strength, puncture resistance and sealing properties.

RAMISLENE® MLLD1810 Metallocene Linear Low Density Polyethylene (mLLDPE) **MLLD1810** is typically used for applications like heavy duty bags, agriculture film, stretch hood, lamination film, frozen bags.

Properties have been measured on blown film of 25 µm and BUR = 2.5

Typical processing conditions for **RAMISLENE® MLLD1810** Metallocene Linear Low Density Polyethylene (mLLDPE) **MLLD1810**: processing temperatures 180 - 230 °C Blow up ratio: (BUR) 2.0 - 4.0

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
Melt Flow Rate			
at 190 °C and 2.16 kg	1.0	g/10 min	ASTM D1238
Density	0.918	g/cm^3	ASTM D 792
Dart Impact Strength (1)	460	g/µm	ASTM D 1709
Haze	29	%	ASTMD 1003
Tear strength TD Elmendorf	250	g/µm	ASTM D1922
Tear strength MD Elmendorf	470	g/µm	ASTM D1922
Tensile test film			
Strain at break MD	500	%	ASTM D882
Strain at break TD	600	%	ASTM D882
Stress at break MD	50	MPa	ASTM D882
Stress at break TD	43	MPa	ASTM D882
Yield stress MD	9.4	MPa	ASTM D882
Yield stress TD	9.4	MPa	ASTM D882
DSC test			
melting point	119	°C	ASTM D3418
Vicat Softening Temperature			
at 10 N (VST [A)	100	°C	ISO 306

(1) Dart Impact F50 is measured via ASTMD 1709A

HEALTH, SAFETY AND FOOD CONTACT REGULATIONS

Detailed information is provided in the relevant Material Safety Datasheet and or Standard Food Declaration, available via your local Sales Office.

STORAGE AND HANDLING

Polyethylenes resins (in pelletised or powder form) should be stored in such a way that it prevents exposure to direct sunlight and/or heat, as this may lead to quality deterioration. The storage location should also be dry, dust free and the ambient temperature should not exceed 50 °C. Not complying with these precautionary measures can lead to a degradation of the product which can result in colour changes, bad smell and inadequate product performance. It is also advisable to process polyethylene resins (in pelletised or powder form) within 6 months after delivery, this because also excessive aging of polyethylene can lead to a deterioration in quality.

DISCLAIMER

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