

AMERICOLENE® M-LL8315

AMERICOLENE

METALLOCENE C6 LLDPE

DESCRIPTION

AMERICOLENE® Metallocene Linear Low Density Polyethylene (mLLDPE) 7318BE 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.

AMERICOLENE® Metallocene Linear Low Density Polyethylene (mLLDPE) 7318BE 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
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 190 °C and 2.16 kg	3	dg/min	ASTM D1238
Density			
Density	918	kg/m ³	ASTM D792
MECHANICAL PROPERTIES			
Dart Impact Strength (!)	24	g/µm	ASTM D1709
OPTICAL PROPERTIES			
Haze	4	%	ASTM D1003
FILM PROPERTIES			
Tear strength TD Elmendorf	17	g/µm	ASTM D1922
Tear strength MD Elmendorf	14	g/µm	ASTM D1922
Tensile test film			
Strain at break MD	650	%	ASTM D882
Strain at break TD	650	%	ASTM D882
Stress at break MD	42	MPa	ASTM D882
Stress at break TD	40	MPa	ASTM D882
Yield stress TD	9	MPa	ASTM D882
Yield stress MD	9	MPa	ASTM D882
THERMAL PROPERTIES			
DSC test			
melting point	122	°C	ASTM D3418
Vicat Softening Temperature			
at 10 N (VST/A)	103	°C	ISO 306

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