

Metallocene C6 Linear Low Density Polyethylene (mLLDPE)

Americolene® AML56358A 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.

mLLDPE Americolene® AML56358A typically used for applications:

Stretch Hood Lamination Film

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 application

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS TEST	UNITS TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 190 °C and 2.16 kg	3.5	g/10 min	ASTM D1238
Density	0.918	g/cm ³	ASTM D-792
OPTICAL PROPERTIES			
Haze	2.4	%	ASTM D1003
Dart Impact Strength	140	g/µm	ASTM D1709
FILM PROPERTIES			
Tear strength TD Elmendorf	190	g/µm	ASTM D1922
Tear strength MD Elmendorf	500	%	ASTM D1922
Strain at break MD	510	%	ASTM D882
Strain at break TD	680	MPa	ASTM D882
Stress at break MD	70	MPa	ASTM D882
Stress at break TD	47	MPa	ASTM D882
Yield stress TD	1200	MPa	ASTM D882
Yield stress MD	1100	MPa	ASTM D882

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