

AMERICOLENE® AML118A

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Metallocene C6 LLDPE

Americolene® AML118A Metallocene Linear Low Density Polyethylene (mLLDPE) AML118A is a metallocene ethylene-hexane 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.

The resin contains anti-block and slip agent.

mLLDPE Americolene® AML118A typically used for applications:

Heavy Duty Bags Stretch Hood Frozen Bags Lamination Film Agriculture Film

Properties have been measured on blown film of 25 µm (mono layer Americolene® AML118A mLLDPE)

PROPERTIES	TYPICAL VALUES	UNITS TEST	UNITS TEST METHODS
POLYMER PROPERTIES			
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
OPTICAL PROPERTIES			
Haze	18	%	ASTM D1003
Gloss (45°)	39	% _o	ASTM D2457
Dart Impact F50	460	g	ASTM D1709
Tear strength TD Elmendorf	250	g/µm	ASTM D1922
Tear strength MD Elmendorf	470	g/µm	ASTM D1922
Tensile modulus MD	190	MPa	ASTM D882
Tensile modulus TD	190	MPa	ASTM D882
Tensile strength MD	9.4	MPa	ASTM D882
Tensile strength TD 9.4 MPa ASTM D882	9.4	MPa	ASTM D882
Elongation at break	MD 500	%	ASTM D882
Elongation at break	TD 600	%	ASTM D882

* MD/TD

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