

SUPEER™ MLLDPE 7118LA

METALLOCENE C6 LLDPE
REGION AMERICAS

DESCRIPTION

SUPEER™ Metallocene Linear Low Density Polyethylene (mLLDPE) 7118LA 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. The resin contains anti-block and slip agent. SUPEER™ 7118LA is TNPP free.

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

TYPICAL APPLICATIONS

SABIC® mLLDPE 7118LA is typically used for applications like heavy duty bags, agriculture film, stretch hood, lamination film, frozen bags.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Density	918	kg/m ³	ASTM D1505
Melt Flow Rate (MFR) at 190°C and 2.16 kg	1.0	g/10 min	ASTM D1238
MECHANICAL PROPERTIES			
Dart Impact Strength	600	g	ASTM D1709
OPTICAL PROPERTIES			
Haze	20	%	ASTM D1003
Gloss (45°)	35	%	ASTM D2457
FILM PROPERTIES			
Tensile test film ⁽¹⁾			
Stress at break MD	55	MPa	ASTM D882
Stress at break TD	45	MPa	ASTM D882
Strain at break MD	500	MPa	ASTM D882
Strain at break TD	600	MPa	ASTM D882
Stress at yield MD	9.4	MPa	ASTM D882
Stress at yield TD	9.6	%	ASTM D882
Elmendorf Tear Strength MD	280	g	ASTM D1922
Elmendorf Tear Strength TD	420	g	ASTM D1922
Puncture Force	40	N	SABIC method
Puncture Energy	2	J	SABIC method
THERMAL PROPERTIES			
DSC test			
Melting point	120	°C	SABIC method

(1) Properties have been measured on blown film of 25 µm (mono layer) and BUR = 2.5