

# 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

Revision 20230403

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
Density	918	kg/m <sup>3</sup>	ASTM D1505
Melt Flow Rate (MFR)			
at 190°C and 2.16 kg	1.0	g/10 min	ASTM D1238
<b>MECHANICAL PROPERTIES</b>			
Dart Impact Strength	600	g	ASTM D1709
<b>OPTICAL PROPERTIES</b>			
Haze	20	%	ASTM D1003
Gloss (45°)	35	%	ASTM D2457
<b>FILM PROPERTIES</b>			
Tensile test film <sup>(1)</sup>			
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
<b>THERMAL PROPERTIES</b>			
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

## PROCESSING CONDITIONS

Typical processing conditions for SABIC® mLLDPE 7118LA:

Processing temperatures 180 - 230 °C.

## 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.

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