



# SUPEER™ MLLDPE 7118A

METALLOCENE C6 LLDPE  
REGION AMERICAS

## DESCRIPTION

SUPEER™ Metallocene Linear Low Density Polyethylene (mLLDPE) 7118A 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. SUPEER™ 7118A is TNPP free.

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

## TYPICAL APPLICATIONS

SUPEER™ Metallocene Linear Low Density Polyethylene (mLLDPE) 7118A 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
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 190 °C and 2.16 kg	1.0	g/10 min	ASTM D1238
<b>Density</b>	918	kg/m <sup>3</sup>	ASTM D1505
<b>MECHANICAL PROPERTIES</b>			
<b>Dart Impact Strength <sup>(1)</sup></b>	600	g	ASTM D1709
<b>OPTICAL PROPERTIES</b>			
<b>Gloss (45°)</b>	29	%	ASTM D2457
<b>Haze</b>	30	%	ASTM D1003
<b>FILM PROPERTIES</b>			
<b>Tensile test film <sup>(1) (2)</sup></b>			
Stress at break MD	55	MPa	ASTM D882
Stress at break TD	45	MPa	ASTM D882
Strain at break MD	500	%	ASTM D882
Strain at break TD	600	%	ASTM D882
Stress at yield MD	9.4	MPa	ASTM D882
Stress at yield TD	9.6	MPa	ASTM D882
Elmendorf Tear Strength MD	280	g	ASTM D1922
Elmendorf Tear Strength TD	420	g	ASTM D1922
Puncture Force	50	N	SABIC method
Puncture Energy	3.8	J	SABIC method
<b>THERMAL PROPERTIES</b>			
<b>DSC test</b>			
Melting point	120	°C	ASTM D3418

(1) Dart Impact F50 is measured via ASTM D1709 A

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