

SUPEERTM MLLDPE 7118NE

METALLOCENE C6 LLDPE

DESCRIPTION

SUPEERTM Metallocene Linear Low Density Polyethylene (mLLDPE) 7118NE 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.

SUPEERTM Metallocene Linear Low Density Polyethylene (mLLDPE) 7118NE is typically used for applications like heavy duty bags, agriculture film, stretch hood, lamination film, frozen bags.

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

Typical processing conditions for SUPEERTM Metallocene Linear Low Density Polyethylene (mLLDPE) 7118NE : processing temperatures 180 - 230 °C Blow up ratio: 2.0 - 4.0

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

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 190 °C and 2.16 kg	1	dg/min	ASTM D1238
Density	918	kg/m ³	ASTM D792
MECHANICAL PROPERTIES			
Dart Impact Strength ⁽¹⁾	30	g/µm	ASTM D1709
OPTICAL PROPERTIES			
Haze	20	%	ASTM D1003
FILM PROPERTIES			
Tear strength TD Elmendorf	18	g/µm	ASTM D1922
Tear strength MD Elmendorf	12	g/µm	ASTM D1922
Tensile test film			
Strain at break MD	550	%	ASTM D882
Strain at break TD	650	%	ASTM D882
Stress at break MD	60	MPa	ASTM D882
Stress at break TD	55	MPa	ASTM D882
Yield stress MD	10	MPa	ASTM D882
Yield stress TD	10	MPa	ASTM D882
THERMAL PROPERTIES			
DSC test			
melting point	122	°C	ASTM D3418
Vicat Softening Temperature			
at 10 N (VST/A)	106	°C	ISO 306

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