

SUPEERTM MLLDPE 7318BE

METALLOCENE C6 LLDPE

DESCRIPTION

SUPEERTM Metallocene Linear Low Density Polyethylene (mLLDPE) 7318BE is a metallocene ethylene-hexene copolymer. It has a good processability and performs well in a wide range of general purpose and high performance cast film applications. Films produced with this grade offer good impact strength, puncture resistance, sealing and optical properties.

SUPEERTM Metallocene Linear Low Density Polyethylene (mLLDPE) 7318BE is typically used for stretch and lamination films. Processing temperatures 210- 260 °C. Properties have been measured on cast film of 25 µm.

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	3	dg/min	ASTM D1238
MECHANICAL PROPERTIES			
Dart Impact Strength ⁽¹⁾	24	g/µm	ASTM D1709
OPTICAL PROPERTIES			
Haze	4	%	ASTM D1003
FILM PROPERTIES			
Tear strength TD Elmendorf	17	g/µm	ASTM D1922
Tear strength MD Elmendorf	14	g/µm	ASTM D1922
Tensile test film			
Strain at break MD	650	%	ASTM D882
Strain at break TD	650	%	ASTM D882
Stress at break MD	42	MPa	ASTM D882
Stress at break TD	40	MPa	ASTM D882
Yield stress TD	9	MPa	ASTM D882
Yield stress MD	9	MPa	ASTM D882
THERMAL PROPERTIES			
DSC test			
melting point	122	°C	ASTM D3418
Vicat Softening Temperature			
at 10 N (VST/A)	103	°C	ISO 306

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