

SUPEER™ MLLDPE 7158A

METALLOCENE C6 LLDPE
REGION AMERICAS

DESCRIPTION

SUPEER™ Metallocene Linear Low Density Polyethylene (mLLDPE) 7158A 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™ 7158A 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) 7158A 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			
Melt Flow Rate (MFR)			
at 190 °C and 2.16 kg	1.5	g/10 min	ASTM D1238
Density	918	kg/m ³	ASTM D1505
MECHANICAL PROPERTIES			
Dart Impact Strength ⁽¹⁾	600	g	ASTM D1709
OPTICAL PROPERTIES			
Gloss (45°)	28	%	ASTM D2457
Haze	35	%	ASTM D1003
FILM PROPERTIES			
Tensile test film ⁽²⁾			
Stress at break MD	55	MPa	ASTM D882
Stress at break TD	48	MPa	ASTM D882
Strain at break MD	500	%	ASTM D882
Strain at break TD	640	%	ASTM D882
Stress at yield MD	9	MPa	ASTM D882
Stress at yield TD	9.1	MPa	ASTM D882
Elmendorf Tear Strength MD	280	g	ASTM D1922
Elmendorf Tear Strength TD	410	g	ASTM D1922
Puncture Force	50	N	SABIC method
Puncture Energy	4	J	SABIC method
THERMAL PROPERTIES			
DSC test			
Melting point	120	°C	SABIC method

(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