

SUPEERTM MLLDPE 7458A

METALLOCENE C6 LLDPE
REGION AMERICAS

DESCRIPTION

SUPEERTM Metallocene Linear Low Density Polyethylene (mLLDPE) 7458A 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 7458A is TNPP free.

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

TYPICAL APPLICATIONS

SUPEERTM Metallocene Linear Low Density Polyethylene (mLLDPE) 7458A is typically used for stretch and lamination films.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 190 °C and 2.16 kg	4.5	g/10 min	ASTM D1238
MECHANICAL PROPERTIES			
Dart Impact Strength	145	g	ASTM D1709
OPTICAL PROPERTIES			
Haze	2.3	%	ASTM D1003
Gloss (45°)	88	%	ASTM D2457
FILM PROPERTIES			
Tensile test film ⁽¹⁾			
Stress at break MD	68	MPa	ASTM D882
Stress at break TD	45	MPa	ASTM D882
Strain at break MD	500	%	ASTM D882
Strain at break TD	710	%	ASTM D882
Stress at yield MD	8.4	MPa	ASTM D882
Stress at yield TD	7.6	MPa	ASTM D882
Elmendorf Tear Strength MD	180	g	ASTM D1922
Elmendorf Tear Strength TD	460	g	ASTM D1922
Puncture Force	45	N	SABIC method
Puncture Energy	4.1	J	SABIC method
THERMAL PROPERTIES			
DSC test			
Melting point	120	°C	SABIC method

(1) Properties have been measured on cast film of 25 µm.