

# SUPEER™ MLLDPE 7358A

METALLOCENE C6 LLDPE  
REGION AMERICAS

## DESCRIPTION

SUPEER™ Metallocene Linear Low Density Polyethylene (mLLDPE) 7358A 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. SUPEER™ 7358A is TNPP free.

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

## TYPICAL APPLICATIONS

UPEER™ Metallocene Linear Low Density Polyethylene (mLLDPE) 7358A is typically used for stretch and lamination films.

## TYPICAL PROPERTY VALUES

Revision 20240202

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 190 °C and 2.16 kg	3.5	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>	145	g	ASTM D1709
<b>OPTICAL PROPERTIES</b>			
<b>Haze</b>	2.3	%	ASTM D1003
<b>Gloss (45°)</b>	88	%	ASTM D2457
<b>FILM PROPERTIES</b>			
<b>Tensile test film <sup>(1) (2)</sup></b>			
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	670	%	ASTM D882
Stress at yield MD	7.5	MPa	ASTM D882
Stress at yield TD	8.5	MPa	ASTM D882
Elmendorf Tear Strength MD	200	g	ASTM D1922
Elmendorf Tear Strength TD	490	g	ASTM D1922
Puncture Force	45	N	SABIC method
Puncture Energy	4.1	J	SABIC method
<b>THERMAL PROPERTIES</b>			
<b>DSC test</b>			
Melting point	115	°C	SABIC method

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

(2) Processing temperatures 210- 260 °C. Properties have been measured on cast film of 25 µm.

## STORAGE AND HANDLING

Polyethylenes resins (in pelletised or powder form) should be stored in such a way that it prevents exposure to direct sunlight and/or heat, as this may lead to quality deterioration. The storage location should also be dry, dust free and the ambient temperature should not exceed 50 °C. Not complying with these precautionary measures can lead to a degradation of the product which can result in colour changes, bad smell and inadequate product performance. It is also advisable to process polyethylene resins (in pelletised or powder form) within 6 months after delivery, this because also excessive aging of polyethylene can lead to a deterioration in quality.

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