



# SUPEER™ MLLDPE 8115L

## METALLOCENE LINEAR LOW DENSITY POLYETHYLENE

### DESCRIPTION

SABIC® SUPEER™ 8115L is an ethylene-octene copolymer produced via Nexlene™ Technology. It performs well in a wide range of general purpose and high performance LLDPE blown film applications and has good processability. The grade offers better performance in terms of tensile properties, stiffness / toughness ratio and optical properties.

### TYPICAL APPLICATIONS

Lamination film, frozen bag, liquid pouch, heavy duty bag, industrial liner, agriculture film, stretch hood, surface protective film.

### TYPICAL PROPERTY VALUES

Revision 20201104

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 190°C and 2.16 kg	1.1	g/10 min	ASTM D1238
<b>Density</b>	915	kg/m³	ASTM D1505
<b>FORMULATION</b>			
<b>Slip agent</b>	☑	-	-
<b>Anti block agent</b>	☑	-	-
<b>OPTICAL PROPERTIES</b>			
<b>Haze</b>	10	%	ASTM D1003
<b>FILM PROPERTIES <sup>(1)</sup></b>			
<b>Tensile test film</b>			
stress at break, TD	49	MPa	ASTM D882
stress at yield, MD	11	MPa	ASTM D882
stress at yield, TD	10	MPa	ASTM D882
stress at break, MD	52	MPa	ASTM D882
elongation at break, MD	650	%	ASTM D882
elongation at break, TD	730	%	ASTM D882
1% secant modulus, MD	136	MPa	ASTM D882
1% secant modulus, TD	151	MPa	ASTM D882
<b>Dart Impact F50</b>	>1000	g	ASTM D1709
<b>Elmendorf Tear Strength</b>			
MD	15	g/μm	ASTM D1922
TD	24	g/μm	ASTM D1922
<b>THERMAL PROPERTIES</b>			
<b>Melting Point</b>	~112	°C	SABIC method

(1) Properties have been measured by producing 50 μm film with 2.5 BUR using 100% SUPEER™ 8115.



## PROCESSING CONDITIONS

Typical processing conditions for SUPEER™ 8115L are:

Barrel temperature: 180 - 200°C

Blow up ratio: 2.0 - 3.0

## FOOD REGULATION

Please contact the local Sales / Technical representative for details.

## STORAGE AND HANDLING

The resin should be stored in a manner to prevent a direct exposure to sunlight and / or heat. The storage area should also be dry and preferably do not exceed 50°C. SABIC would not give warranty to bad storage conditions that may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PE resin within 6 months after delivery.

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