

# SUPEER™ MLLDPE 8315

## METALLOCENE LINEAR LOW DENSITY POLYETHYL

### DESCRIPTION

SUPEER™ Metallocene Linear Low Density Polyethylene (mLLDPE) 8315 is an ethylene-octene copolymers produced via solution polymerization using metallocene catalyst. It performs well in a wide range of general purpose and high performance LLDPE cast film applications and has excellent impact strength and good transparency. SUPEER™ Metallocene Linear Low Density Polyethylene (mLLDPE) 8315 contains no slip and no antiblock additives.

### TYPICAL APPLICATIONS

Stretch wrap film, silage film.

### TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 190°C and 2.16 kg	3,0	g/10 min	ASTM D1238
<b>Density</b>	915	kg/m <sup>3</sup>	ASTM D1505
<b>OPTICAL PROPERTIES</b>			
<b>Haze</b>	1.5	%	ASTM D1003
<b>FILM PROPERTIES</b>			
<b>Tensile test film</b>			
stress at break, TD	49	MPa	ASTM D882
elongation at break, MD	600	%	ASTM D882
stress at break, MD	48	MPa	ASTM D882
elongation at break, TD	700	%	ASTM D882
stress at yield, MD	11	MPa	ASTM D882
stress at yield, TD	10	MPa	ASTM D882
<b>Dart Impact F50</b>	1000	g	ASTM D1709
<b>Elmendorf Tear Strength <sup>(1)</sup></b>			
MD	11	g/μm	ASTM D1922
TD	25	g/μm	ASTM D1922
<b>THERMAL PROPERTIES</b>			
<b>Melting Point</b>	~113	°C	SABIC method

(1) Properties have been measured by producing 40 μm cast film using 100% SUPEER™ 8315.

### PROCESSING CONDITIONS

Typical processing conditions for SUPEER™ 8315 is:

Barrel temperature: 250 - 300°C, Chill roll temperature: 15 ~ 25°C