

SUPEERTM MLLDPE 8315

METALLOCENE LINEAR LOW DENSITY POLYETHYL

DESCRIPTION

SUPEERTM 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. SUPEERTM 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
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 190°C and 2.16 kg	3.0	g/10 min	ASTM D1238
DENSITY			
	915	kg/m ³	ASTM D1505
OPTICAL PROPERTIES			
Haze	1.5	%	ASTM D1003
FILM PROPERTIES			
Tensile test film			
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
Dart Impact F50	1000	g	ASTM D1709
Elmendorf Tear Strength ⁽¹⁾			
MD	11	g/μm	ASTM D1922
TD	25	g/μm	ASTM D1922
THERMAL PROPERTIES			
Melting Point	~113	°C	SABIC method

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

PROCESSING CONDITIONS

Typical processing conditions for SUPEERTM 8315 is:

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