

# SABIC® SUPEER™ 8112L

## METALLOCENE LINEAR LOW DENSITY POLYETHYLENE

### DESCRIPTION

SABIC® SUPEER™ 8112L is an ethylene-octene copolymer produced via solution polymerization using metallocene catalyst. It performs well in a wide range of general purpose and high performance LLDPE blown film applications and have excellent processability. It contains slip and antiblock additives.

### TYPICAL APPLICATIONS

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

### TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
Melt Flow Rate			
at 190°C and 2.16 kg	1.1	g/10 min	ASTM D1238
<b>FORMULATION</b>			
Slip agent	☒	-	-
Anti block agent	☒	-	-
<b>OPTICAL PROPERTIES</b>			
Haze	7	%	ASTM D1003
<b>FILM PROPERTIES<sup>(1)</sup></b>			
Tensile test film			
stress at break, MD	51	MPa	ASTM D882
stress at yield, TD	10	MPa	ASTM D882
stress at break, TD	49	MPa	ASTM D882
strain at break, TD	730	%	ASTM D882
strain at break, MD	660	%	ASTM D882
stress at yield, MD	11	MPa	ASTM D882
1% secant modulus, MD	127	MPa	ASTM D882
1% secant modulus, TD	142	MPa	ASTM D882
Dart Impact F50	>1000	g	ASTM D1709
Elmendorf Tear Strength			
MD	16	g/μm	ASTM D1922
TD	25	g/μm	ASTM D1922
<b>THERMAL PROPERTIES</b>			
Melting Point	~111	°C	SABIC method

(1) Properties have been measured by producing 50 μm film with 2.5 BUR using 100% SUPEER™ 8112.