

# SABIC® SUPEER™ 8118L

## METALLOCENE LINEAR LOW DENSITY POLYETHYLENE

### DESCRIPTION

SABIC® SUPEER™ 8118L 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, liquid pouch, heavy duty bag, industrial liner, agriculture film, 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	10	%	ASTM D1003
<b>FILM PROPERTIES</b>			
Tensile test film			
stress at break, MD	54	MPa	ASTM D882
stress at break, TD	54	MPa	ASTM D882
elongation at break, MD	630	%	ASTM D882
elongation at break, TD	730	%	ASTM D882
stress at yield, MD	12	MPa	ASTM D882
stress at yield, TD	11	MPa	ASTM D882
1% secant modulus, MD	140	MPa	ASTM D882
1% secant modulus, TD	156	MPa	ASTM D882
Dart Impact F50	1000	g	ASTM D1709
Elmendorf Tear Strength <sup>(1)</sup>			
MD	14	g/μm	ASTM D1922
TD	22	g/μm	ASTM D1922
<b>THERMAL PROPERTIES</b>			
Melting Point	~115	°C	SABIC method

(1) Properties have been measured by producing 50 μm film with 2.5 BUR using 100% SUPEER™ 8118.