



SABIC® SUPEER 8318

METALLOCENE LINEAR LOW DENSITY POLYETHYLENE

DESCRIPTION

SABIC® SUPEER™ 8318 is an ethylene-octene copolymer produced via solution polymerization using metallocene catalyst. It performs well in a wide range of high performance LLDPE cast film applications and has excellent impact strength and good transparency. SUPEER™ 8318 contains no slip and no antiblock additives.

TYPICAL APPLICATIONS

Stretch wrap film, breathable film, artificial grass.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 190°C and 2.16 kg	3.0	g/10 min	ASTM D1238
Density	918	kg/m ³	ASTM D1505
OPTICAL PROPERTIES			
Haze	2	%	ASTM D1003
FILM PROPERTIES			
Tensile test film			
stress at break, MD	49	MPa	ASTM D882
stress at break, TD	54	MPa	ASTM D882
elongation at break, MD	600	%	ASTM D882
elongation at break, TD	650	%	ASTM D882
stress at yield, MD	9.8	MPa	ASTM D882
stress at yield, TD	9.5	MPa	ASTM D882
Dart Impact F50	400	g	ASTM D1709
Elmendorf Tear Strength ⁽¹⁾			
MD	10	g/μm	ASTM D1922
TD	23	g/μm	ASTM D1922
THERMAL PROPERTIES			
Melting Point	~115	°C	SABIC method

(1) Properties have been measured by producing 40 μm cast film using 100% SABIC® SUPEER™ 8318.