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SUPEER™ MLLDPE 8112L

METALLOCENE LINEAR LOW DENSITY POLYETHYLENE

DESCRIPTION

SUPEER™ Metallocene Linear Low Density Polyethylene (mLLDPE) 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
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 190°C and 2.16 kg	1.1	g/10 min	ASTM D1238
Density	912	kg/m³	ASTM D1505
FORMULATION			
Slip agent	☑	-	-
Anti block agent	☑	-	-
OPTICAL PROPERTIES			
Haze	7	%	ASTM D1003
FILM PROPERTIES (1)			
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
THERMAL PROPERTIES			
Melting Point	~111	°C	SABIC method

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