



# SABIC® LLDPE 118WM

## PROVISIONAL TECHNICAL DATA SHEET LINEAR LOW DENSITY POLYETHYLENE

### DESCRIPTION

SABIC® LLDPE 118WM is a butane-1 linear low density polyethylene resin typically used for general purpose applications and also suitable for blending with conventional LDPE. Film made from LLDPE 118WM exhibit a good puncture resistance, high tensile strength and good hot tack properties. It contains antioxidant, slip and anti blocking agents.

### TYPICAL APPLICATIONS

Shipping sacks, ice bags, frozen food bags, stretch wrap film, produce bags, liners, carrier bags, garbage bags, agricultural films, laminated and coextruded films for meat wrap, frozen food and other food packaging, shrink film (for blending with LDPE), industrial consumer packaging, and high clarity film applications if blended with (10~20%) LDPE.

### TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 190 °C and 2.16 kg	0.9	g/10 min	ISO 1133
<b>Density</b>	920	kg/m <sup>3</sup>	ISO 1183
<b>MECHANICAL PROPERTIES <sup>(1)</sup></b>			
<b>Tensile strength</b>			
at Yield, MD	11	MPa	ISO 527-3
at Yield, TD	12	MPa	ISO 527-3
<b>Tensile Elongation</b>			
at Break, MD	750	%	ISO 527-3
at Break, TD	850	%	ISO 527-3
<b>Dart Impact Strength</b>	150	g	ASTM D1709
<b>OPTICAL PROPERTIES</b>			
<b>Haze</b>	17	%	ISO 14782
<b>Gloss @ 45°</b>	45	-	ASTM D2457

(1) Properties have been measured by producing 38 µm film with 2:1 (BUR) using 100% 118WM.