

# SABIC® LLDPE 218NM

## PROVISIONAL TECHNICAL DATA SHEET LINEAR LOW DENSITY POLYETHYLENE

### DESCRIPTION

SABIC® LLDPE 218NM 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 218NM exhibit a good puncture resistance, high tensile strength and good hot tack properties

### TYPICAL APPLICATIONS

Light and medium duty films and stretch films, Lamination film, thin liners, shopping bags, carrier bags, garbage bags, coextruded films, consumer packaging and other general-purpose applications.

### TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
Density	0.920	kg/m <sup>3</sup>	ISO 1183
Melt Flow Rate (MFR)			
at 190 °C and 2.16 kg	2.0	g/10 min	ISO 1133
<b>MECHANICAL PROPERTIES<sup>(1)</sup></b>			
Dart Impact Strength	120	g	ASTM D1709
Tensile strength			
at Yield, MD	10	MPa	ISO 527-3
at Yield, TD	11	MPa	ISO 527-3
Tensile Elongation			
at Break, MD	850	%	ISO 527-3
at Break, TD	950	%	ISO 527-3
<b>OPTICAL PROPERTIES</b>			
Haze	15	%	ASTM D1003
Gloss @ 45°	50	-	ASTM D2457

(1) Properties have been measured by producing 38 µm film with 2:1 (BUR) using 100% 218NM.