

# SABIC® LLDPE 926NT

LINEAR LOW DENSITY POLYETHYLENE  
REGION ASIA

## DESCRIPTION

SABIC® 926NT is an ethylene-butene copolymer designed for blown film application. Excellent mechanical strength, tear and puncture resistance, 926NT contains no slip and no antiblock.

## TYPICAL APPLICATIONS

Heavy duty film, agriculture film, general purpose packaging film, stretch film, carrier bag, produce bag, etc.

## 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	0.85	g/10 min	ASTM D1238
<b>Density at 23°C</b>	926	kg/m³	ASTM D1505
<b>MECHANICAL PROPERTIES</b>			
<b>Tensile test</b>			
stress at yield, MD	12	MPa	ASTM D882
stress at yield, TD	10	MPa	ASTM D882
stress at break, MD	36	MPa	ASTM D882
stress at break, TD	29	MPa	ASTM D882
elongation at break, MD	550	%	ASTM D882
elongation at break, TD	600	%	ASTM D882
<b>OPTICAL PROPERTIES</b>			
<b>Gloss</b>			
at 45°	60	-	ASTM D2457
<b>Haze</b> <sup>(1)</sup>	14	%	ASTM D1003
<b>FILM PROPERTIES</b>			
<b>Dart Impact F50</b>	90	g	ASTM D1709
<b>Tear Resistance</b>			
MD	35	g	ASTM D1709
TD	135	g	ASTM D1709
<b>Puncture resistance</b>	70	J/m	SABIC method

(1) Properties have been measured by producing 30 µ film with 2.0 BUR using 100% 926NT.

## PROCESSING CONDITIONS

Typical processing conditions for 926NT are:

Barrel temperature: 190 - 220°C

Blow up ratio: 2.0 - 3.0