

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
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 190°C and 2.16 kg	0.85	g/10 min	ASTM D1238
DENSITY AT 23°C			
	926	kg/m ³	ASTM D1505
MECHANICAL PROPERTIES			
Tensile test			
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
OPTICAL PROPERTIES			
Gloss			
at 45°	60	-	ASTM D2457
Haze ⁽¹⁾	14	%	ASTM D1003
FILM PROPERTIES			
Dart Impact F50			
	90	g	ASTM D1709
Tear Resistance			
MD	35	g	ASTM D1709
TD	135	g	ASTM D1709
Puncture resistance	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