

SABIC® LLDPE 120NT

LINEAR LOW DENSITY POLYETHYLENE
REGION ASIA

DESCRIPTION

SABIC® 120NT is an ethylene-butene copolymer designed for blown film application. 120NT contains no slip and no antiblock.

TYPICAL APPLICATIONS

Agricultural film, lamination film/pouch, package film/pouch etc.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 190°C & 2.16 kg	1.4	g/10 min	ASTM D1238
Density at 23°C	920	kg/m ³	ASTM D1505
MECHANICAL PROPERTIES			
Tensile test ⁽¹⁾			
stress at yield, MD	11	MPa	ASTM D882
stress at yield, TD	10	MPa	ASTM D882
stress at break, MD	34	MPa	ASTM D882
stress at break, TD	28	MPa	ASTM D882
elongation at break, MD	650	%	ASTM D882
elongation at break, TD	720	%	ASTM D882
1% secant modulus, MD	220	MPa	ASTM D882
1% secant modulus, TD	250	MPa	ASTM D882
OPTICAL PROPERTIES			
Gloss			
at 45°	70	-	ASTM D2457
Haze	10	%	ASTM D1003
FILM PROPERTIES			
Dart Impact F50	85	g	ASTM D1709
Tear Resistance	150	g	ASTM D1922

(1) Properties have been measured by producing 25 µ film with 2 BUR using 100% 120NT.

PROCESSING CONDITIONS

Typical processing conditions for 120NT are:

Barrel temperature: 190 - 220°C

Blow up ratio: 2.0 – 3.0