

SABIC® LLDPE 218NT

LINEAR LOW DENSITY POLYETHYLENE
REGION ASIA

DESCRIPTION

SABIC® 218NT is an ethylene-butene copolymer designed for blown film application. It has excellent stiffness, puncture resistance, high tensile strength and sealing property, 218NT contains no slip and no antiblock

TYPICAL APPLICATIONS

Used for general purpose package, agricultural film, textile package, thin coating layer, garbage bag, lamination film, co-extrusion film stretch film and consumer package etc.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 190°C and 2.16 kg	2.0	g/10 min	ASTM D1238
Density at 23°C	918	kg/m ³	ASTM D1505
MECHANICAL PROPERTIES			
Tensile test ⁽¹⁾			
stress at yield, MD	12	MPa	ASTM D882
stress at yield, TD	10	MPa	ASTM D882
stress at break, MD	35	MPa	ASTM D882
stress at break, TD	29	MPa	ASTM D882
elongation at break, MD	700	%	ASTM D882
elongation at break, TD	750	%	ASTM D882
OPTICAL PROPERTIES			
Haze	12	%	ASTM D1003
FILM PROPERTIES			
Dart Impact F50	106	g	ASTM D1709

(1) Properties have been measured by producing 30 µ film with 2 BUR using 100% 218NT.

PROCESSING CONDITIONS

Typical processing conditions for 218NT are:

Barrel temperature: 190 - 220°C

Blow up ratio: 2.0 - 3.0