

# SABIC® LLDPE 220NT

LINEAR LOW DENSITY POLYETHYLENE  
REGION ASIA

## DESCRIPTION

SABIC® 220NT is an ethylene-butene copolymer designed for blown film & cast film application. 220NT contains no slip and no antiblock.

## TYPICAL APPLICATIONS

General purpose film & pouch, Agricultural film, stretch film for manual stretch etc.

## TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 190°C & 2.16 kg	2.4	g/10 min	ASTM D1238
<b>Density at 23°C</b>	920	kg/m <sup>3</sup>	ASTM D1505
<b>MECHANICAL PROPERTIES</b>			
<b>Tensile test</b>			
stress at yield, MD	10	MPa	ASTM D882
stress at yield, TD	9	MPa	ASTM D882
stress at break, MD	26	MPa	ASTM D882
stress at break, TD	22	MPa	ASTM D882
elongation at break, MD	580	%	ASTM D882
elongation at break, TD	800	%	ASTM D882
1% secant modulus, MD	210	MPa	ASTM D882
1% secant modulus, TD	230	MPa	ASTM D882
<b>OPTICAL PROPERTIES</b>			
<b>Gloss</b>			
at 45°	70	-	ASTM D2457
<b>Haze</b> <sup>(1)</sup>	11	%	ASTM D1003

(1) Properties have been measured by producing 20 µ film with 2 BUR using 100% 220NT.

## PROCESSING CONDITIONS

Typical processing conditions for 220NT are:

Barrel temperature: 190 - 220°C

Blow up ratio: 2.0 – 3.0