

# SABIC® LLDPE 220HT

LINEAR LOW DENSITY POLYETHYLENE  
REGION ASIA

## DESCRIPTION

SABIC® 220HT is an ethylene-butene copolymer designed for blown film application. It has excellent stiffness, puncture resistance, high tensile strength, High clarity and high gloss. 220HT contains no slip and no antiblock.

## TYPICAL APPLICATIONS

Used for general purpose package, 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
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 190°C and 2.16 kg	2.0	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	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	690	%	ASTM D882
elongation at break, TD	730	%	ASTM D882
<b>OPTICAL PROPERTIES</b>			
<b>Gloss</b>			
at 45°	55	-	ASTM D2457
<b>Haze<sup>(1)</sup></b>	10	%	ASTM D1003
<b>FILM PROPERTIES</b>			
<b>Dart Impact F50</b>	84	g	ASTM D1709

(1) Properties have been measured by producing 25 µ film with 2.5 BUR using 100% 220HT.

## PROCESSING CONDITIONS

Typical processing conditions for 220HT are:

Barrel temperature: 190 - 220°C

Blow up ratio: 2.0 - 3.0