

SABIC® LLDPE 220WT

LINEAR LOW DENSITY POLYETHYLENE
REGION ASIA

DESCRIPTION

SABIC® 220WT is an ethylene-butene copolymer designed for blown film application. It has excellent stiffness, puncture resistance, high tensile strength, High clarity and high gloss. 220WT contains high slip and high 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
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 190°C and 2.16 kg	2.0	g/10 min	ASTM D1238
Density at 23°C	920	kg/m ³	ASTM D1505
FORMULATION			
Slip agent	☑	-	-
Anti block agent	☑	-	-
MECHANICAL PROPERTIES			
Tensile test			
stress at yield, MD	10	MPa	ASTM D882
stress at yield, TD	10	MPa	ASTM D882
stress at break, MD	31	MPa	ASTM D882
stress at break, TD	23	MPa	ASTM D882
elongation at break, MD	450	%	ASTM D882
elongation at break, TD	600	%	ASTM D882
OPTICAL PROPERTIES			
Gloss			
at 45°	52	-	ASTM D2457
Haze ⁽¹⁾	13	%	ASTM D1003
FILM PROPERTIES			
Dart Impact F50	112	g	ASTM D1709

(1) Properties have been measured by producing 30 µ film with 2.3 BUR using 100% 220WT.

PROCESSING CONDITIONS

Typical processing conditions for 220WT are:
Barrel temperature: 190 - 220°C, Blow up ratio: 2.0 – 3.0