



TECHNICAL DATASHEET

LLDPE 218WJ

LINEAR LOW DENSITY POLYETHYLENE

DESCRIPTION

218WJ is a butene Linear Low Density Polyethylene TNPP free grade suitable for general-purpose packaging. It is easy to process giving good tensile properties, impact strength and optical properties. 218WJ contains slip and antiblock additives.

TYPICAL APPLICATIONS

Lamination film, thin liners, shopping bags, carrier bags, garbage bags, coextruded films, consumer packaging and other general-purpose applications.

TYPICAL PROPERTY VALUES



ALMNJAL TRADING EST
PLASTIC RAW MATERIALS
مؤسسة المنجل للتجارة

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 190 °C and 2.16 kg	2	g/10 min	ASTM D1238
Density	918	kg/m ³	ASTM D1505
FORMULATION			
Slip agent	<input checked="" type="checkbox"/>	-	-
Anti block agent	<input checked="" type="checkbox"/>	-	-
MECHANICAL PROPERTIES			
Dart Impact Strength ⁽¹⁾	85	g/μm	ASTM D1709
OPTICAL PROPERTIES ⁽¹⁾			
Haze	13	%	ASTM D1003
Gloss			
at 60°	80	-	ASTM D2457
FILM PROPERTIES ⁽¹⁾			
Tensile Properties			
stress at break, MD	35	MPa	ASTM D882
stress at break, TD	29	MPa	ASTM D882
strain at break, MD	700	%	ASTM D882
strain at break, TD	750	%	ASTM D882
stress at yield, MD	12	MPa	ASTM D882
stress at yield, TD	10	MPa	ASTM D882
1% secant modulus, MD	220	MPa	ASTM D882
1% secant modulus, TD	260	MPa	ASTM D882
Elmendorf Tear Strength			
MD	130	g	ASTM D1922
TD	320	g	ASTM D1922
THERMAL PROPERTIES			
Vicat Softening Point	98	°C	ASTM D1525