

# AMERICOLENE® ABL218WA

# AMERICOLENE

## **Butene Linear Low Density Polyethylene (LLDPE with Additive)**

AMERICOLENE® ABL218WA is a butene linear low density polyethylene resin typically used for general purpose applications. Films produced from this resin are tough with good puncture resistance, high tensile strength and good hot tack properties. 218WJA is TNPP-free and contains 1500 ppm slip and 5000 ppm antiblock additive. The resin contains anti-block and slip agent.

### **LLDPE Americolene® ABL218WA typically used for applications:**

Shipping sacks, ice bags, frozen food bags, stretch wrap film, produce bags, liners, carrier bags, garbage bags, agricultural films, laminated and coextruded films for meat wrap, frozen food and other food packaging, shrink film (for blending with LDPE), industrial consumer packaging, and highclarity film applications if blended with (10 - 20%) LDPE.

### **TYPICAL PROPERTY VALUES**

<b>PROPERTIES</b>	<b>TYPICAL VALUES</b>	<b>UNITS TEST</b>	<b>UNITS TEST METHODS</b>
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate at 190 °C and 2.16 kg</b>	2.0	dg/min	ISO 1133
<b>Density</b>	0.918	kg/cm <sup>3</sup>	ASTM 1505
<b>OPTICAL PROPERTIES</b>			
<b>Haze</b>	29	%	ASTM D1003
<b>Gloss (45°)</b>	22	% <sub>o</sub>	ASTM D2457
<b>FILM PROPERTIES</b>			
<b>Tear strength MD</b>	340	kN/m	ISO 6383-2
<b>Strength at Break MD</b>	36.5	MPa	ASTM D882
<b>Strength at Break TD</b>	26.0	MPa	ASTM D882
<b>Elongation at Break MD</b>	660	%	ASTM D882
<b>Elongation at Break TD</b>	780	%	ASTM D882
<b>Strength at Yield MD</b>	8.5	MPa	ASTM D882
<b>Strength at Yield TD</b>	8.6	MPa	ASTM D882
<b>Dart Impact</b>	70	MPa	ASTM D1709

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