

**Typical Application**

Blown &amp; Cast Stretch Film, General Purpose Film Packaging

**Product Description**

Ramolene LLDB 18200 resin is a linear low density polyethylene used for applications that require maximum strength and toughness. Ramolene LLDB 18200 offers enhanced film strength, unitization holding force, drawdown, toughness, and heat seal strength.

Typical Properties	English Unit	SI Unit	ASTM
<b>Physical</b>			
Melt Flow Rate (190 °C / 2.16 kg)	2.00 g/10 min	2.00 g/10 min	D1238
Density (23 °C)	0.918 g/cm <sup>3</sup>	0.918 g/cm <sup>3</sup>	D1505
<b>Mechanical Stress &amp; Impact</b>			
Dart Drop Impact Strength, F50 (Cast)	90 g/μm	90 g/μm	D1709
Dart Drop Impact Strength, F50 (Blown)	130 g/μm	130 g/μm	D1709
<b>Blown Film TT&amp;E</b>			
Tensile Strength @ Break - MD	8,130 psi	56 MPa	D882
Tensile Strength @ Break - TD	6,530 psi	45 MPa	D882
Tensile Elongation @ Break - MD	750 %	750 %	D882
Tensile Elongation @ Break - TD	900 %	900 %	D882
1% Secant Modulus - MD	34,800 psi	240 MPa	D882
1% Secant Modulus - TD	42,100 psi	291 MPa	D882
Elmendorf Tear Strength - MD	500 g-force	500 g-force	D1922
Elmendorf Tear Strength - TD	670 g-force	670 g-force	D1922
<b>Cast Film TT&amp;E</b>			
Tensile Strength @ Break - MD	5,080 psi	35 MPa	D882
Tensile Strength @ Break - TD	3,190 psi	22 MPa	D882
Tensile Elongation @ Break - MD	380 %	380 %	D882
Tensile Elongation @ Break - TD	720 %	720 %	D882
1% Secant Modulus - MD	22,600 psi	156 MPa	D882
1% Secant Modulus - TD	26,600 psi	183 MPa	D882
Elmendorf Tear Strength - MD	430 g-force	430 g-force	D1922
Elmendorf Tear Strength - TD	840 g-force	840 g-force	D1922
<b>Optical - Blown Film</b>			
Haze	15 %	15 %	D1003
Gloss (45 °)	40 %	40 %	D2457
<b>Optical - Cast Film</b>			
Haze	2 %	2 %	D1003
Gloss (45 °)	53 %	53 %	D2457

All tests were run under laboratory conditions, ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of Ramtech's products must be guided by the user's own methods for selection of proper formulation. RAMTECH OVERSEAS, INC. disclaims any responsibility for misuse or misapplication of its products. Ramtech makes no warranty of merchantability and there is no warranty that goods supplied shall be fit for any particular purpose.