



**Typical Application**

Produce bags, Bread bags

**Product Description**

Ramolene LDBF 21180 SB is a low density polyethylene homopolymer that combines premium clarity with strength and stiffness. It exhibits good impact strength and is mainly selected for textile packaging, light produce and bread bags and other thin packaging films that are enhanced by clarity and sparkle.

Typical Properties	English Unit	SI Unit	ASTM
<b>Physical</b>			
Melt Flow Rate (190 °C / 2.16 kg)	1.80 g/10 min	1.80 g/10 min	D1238
Density (23 °C)	0.921 g/cm <sup>3</sup>	0.921 g/cm <sup>3</sup>	D1505
<b>Mechanical Stress &amp; Impact</b>			
Dart Drop Impact Strength, F50	90 g/μm	90 g/μm	D1709
<b>Film TT&amp;E</b>			
Tensile Strength @ Break - MD	4,000 psi	28 MPa	D882
Tensile Strength @ Break - TD	3,400 psi	24 MPa	D882
Tensile Strength @ Yield - MD	1,500 psi	11 MPa	D882
Tensile Strength @ Yield - TD	1,600 psi	11 MPa	D882
Tensile Elongation @ Break - MD	300 %	300 %	D882
Tensile Elongation @ Break - TD	500 %	500 %	D882
1% Secant Modulus - MD	26,000 psi	180 MPa	D882
1% Secant Modulus - TD	30,000 psi	207 MPa	D882
Elmendorf Tear Strength - MD	360 g-force	360 g-force	D1922
Elmendorf Tear Strength - TD	200 g-force	200 g-force	D1922
<b>Thermal</b>			
Vicat Softening Temperature	212 °F	100.0 °C	D1525
<b>Optical</b>			
Haze	5.0 %	5.0 %	D1003
Gloss (45 °)	70	70	D2457
<b>Additives</b>			
Slip	750 ppm	750 ppm	Producer Method
AntiBlock	1,500 ppm	1,500 ppm	Producer Method

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 Ramotech'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. Ramotech makes no warranty of merchantability and there is no warranty that goods supplied shall be fit for any particular purpose.