

### Typical Application

Agriculture Film, Shrink Film, Bags, Bottles, Opaque Containers.

### Product Description

Ramolene LDBF 19070 is a low density homopolymer resin used in a wide variety of industrial film applications where high impact strength, excellent drawdown, and good shrinkage are needed. Ramolene LDBF 19070 exhibits good bubble stability, ease of processing, and good tensile strength.

Typical Properties	English Unit	SI Unit	ASTM
<b>Physical</b>			
Melt Flow Rate (190 °C / 2.16 kg)	0.70 g/10 min	0.70 g/10 min	D1238
Density (23 °C)	0.919 g/cm <sup>3</sup>	0.919 g/cm <sup>3</sup>	D1505
<b>Mechanical Stress &amp; Impact</b>			
Dart Drop Impact Strength, F50	165 g/μm	165 g/μm	D1709
<b>Film TT&amp;E</b>			
Tensile Strength @ Break - MD	3,100 psi	22 MPa	D882
Tensile Strength @ Break - TD	3,390 psi	24 MPa	D882
Tensile Elongation @ Break - MD	300 %	300 %	D882
Tensile Elongation @ Break - TD	590 %	590 %	D882
1% Secant Modulus - MD	26,000 psi	180 MPa	D882
1% Secant Modulus - TD	32,000 psi	221 MPa	D882
Elmendorf Tear Strength - MD	300 g-force	300 g-force	D1922
Elmendorf Tear Strength - TD	180 g-force	180 g-force	D1922
<b>Hardness</b>			
Durometer Shore Hardness (Shore D)	46	46	D2240
<b>Thermal</b>			
Vicat Softening Temperature	194 °F	90.0 °C	D1525
Low Temperature Brittleness, F <sub>50</sub>	-103 °F	-75.0 °C	D746
<b>Additives</b>			
Slip	0 ppm	0 ppm	Producer Method
AntiBlock	0 ppm	0 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.