



Typical Application

Stretch Wrap, Food Packaging

Product Description

Ramolene LLDB 19200 resin is a butene linear low density polyethylene with excellent mechanical and sealing properties. It can be used in stretch film and can liner applications. Ramolene LLDB 19200 AS is also suitable for blending with LDPE in packaging applications.

| Typical Properties | English Unit | SI Unit | ASTM |
|--|-------------------------|-------------------------|-----------------|
| Physical | | | |
| Melt Flow Rate (190 °C / 2.16 kg) | 2.00 g/10 min | 2.00 g/10 min | D1238 |
| Density (23 °C) | 0.919 g/cm ³ | 0.919 g/cm ³ | D1505 |
| Mechanical Stress & Impact | | | |
| Dart Drop Impact Strength, F50 (Cast) | 110 g/μm | 110 g/μm | D1709 |
| Dart Drop Impact Strength, F50 (Blown) | 130 g/μm | 130 g/μm | D1709 |
| Blown Film TT&E | | | |
| Tensile Strength @ Break - MD | 4,000 psi | 28 MPa | D882 |
| Tensile Strength @ Break - TD | 3,100 psi | 22 MPa | D882 |
| Tensile Elongation @ Break - MD | 700 % | 700 % | D882 |
| Tensile Elongation @ Break - TD | 900 % | 900 % | D882 |
| 1% Secant Modulus - MD | 28,000 psi | 193 MPa | D882 |
| 1% Secant Modulus - TD | 31,000 psi | 214 MPa | D882 |
| Elmendorf Tear Strength - MD | 500 g-force | 500 g-force | D1922 |
| Elmendorf Tear Strength - TD | 670 g-force | 670 g-force | D1922 |
| Optical - Blown Film | | | |
| Haze | 13 % | 13 % | D1003 |
| Gloss (45 °) | 40 % | 40 % | D2457 |
| Additives | | | |
| Slip | upon request ppm | upon request ppm | Producer Method |
| AntiBlock | upon request ppm | upon request 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. Ramtech makes no warranty of merchantability and there is no warranty that goods supplied shall be fit for any particular purpose.