

Typical Application

Clarity Film, Wrap Film, Food Packaging (bread bags), Compounding

Product Description

Ramolene LDBF 22200 SB is a low density polyethylene grade suitable for general-purpose packaging and film applications that require clarity, strength, and stiffness. It exhibits good draw down, optical, and mechanical properties.

| 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) | 0.922 g/cm ³ | 0.922 g/cm ³ | D1505 |
| Mechanical Stress & Impact | | | |
| Dart Drop Impact Strength, F50 | 90 g/μm | 90 g/μm | D1709 |
| Film TT&E | | | |
| Tensile Strength @ Break - MD | 3,000 psi | 21 MPa | D882 |
| Tensile Strength @ Break - TD | 2,700 psi | 19 MPa | D882 |
| Tensile Strength @ Yield - MD | 1,600 psi | 11 MPa | D882 |
| Tensile Strength @ Yield - TD | 1,700 psi | 12 MPa | D882 |
| Tensile Elongation @ Break - MD | 400 % | 400 % | D882 |
| Tensile Elongation @ Break - TD | 550 % | 550 % | D882 |
| 1% Secant Modulus - MD | 32,000 psi | 221 MPa | D882 |
| 1% Secant Modulus - TD | 35,000 psi | 242 MPa | D882 |
| Elmendorf Tear Strength - MD | 300 g-force | 300 g-force | D1922 |
| Elmendorf Tear Strength - TD | 300 g-force | 300 g-force | D1922 |
| Optical | | | |
| Haze | 5.8 % | 5.8 % | D1003 |
| Gloss (45 °) | 75 | 75 | D2457 |
| Additives | | | |
| Slip | 750 ppm | 750 ppm | Producer Method |
| AntiBlock | 1,000 ppm | 1,000 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 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.