

Typical Application

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

Product Description

Ramolene LDBF 22200 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	5.0 %	5.0 %	D1003
Gloss (45 °)	80	80	D2457
Additives			
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 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.