

Typical Application

Produce bags, Bread bags

Product Description

Ramolene LDBF 21180 B is a low density polyethylene homopolymer that combines premium clarity with strength and stiffness. It exhibits good impact strength and 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
Physical			
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 ³	0.921 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	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
Thermal			
Vicat Softening Temperature	212 °F	100.0 °C	D1525
Optical			
Haze	5.0 %	5.0 %	D1003
Gloss (45 °)	70	70	D2457
Additives			
Slip	0 ppm	0 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.