

Typical Application

Cast Stretch Film

Product Description

Ramolene LLDC 18320 is a linear low density polyethylene resins used for applications that require maximum strength and toughness. The Ramolene LLDC 18320 offers enhanced film strength, drawdown, toughness and heat seal strength.

Typical Properties	English Unit	SI Unit	ASTM
Physical			
Melt Flow Rate (190 °C / 2.16 kg)	3.20 g/10 min	3.20 g/10 min	D1238
Density (23 °C)	0.918 g/cm ³	0.918 g/cm ³	D1505
Mechanical Stress & Impact			
Dart Drop Impact Strength, F50	104 g/μm	104 g/μm	D1709
Film TT&E			
Tensile Strength @ Break - MD	5,670 psi	39 MPa	D882
Tensile Strength @ Break - TD	3,340 psi	23 MPa	D882
Tensile Elongation @ Break - MD	481 %	481 %	D882
Tensile Elongation @ Break - TD	735 %	735 %	D882
1% Secant Modulus - MD	24,400 psi	169 MPa	D882
1% Secant Modulus - TD	25,800 psi	178 MPa	D882
Elmendorf Tear Strength - MD	309 g-force	309 g-force	D1922
Elmendorf Tear Strength - TD	764 g-force	764 g-force	D1922
Optical			
Haze	1.4 %	1.4 %	D1003
Gloss (45 °)	75 %	75 %	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.