

Typical Application

Cast Stretch Film, FF&S Packaging, Food Packaging, General Packaging

Product Description

Ramolene LLDC 18350 is a Hexene linear low density polyethylene copolymer resin that exhibits excellent tensile strength, impact & puncture toughness, and excellent drawability. The superior properties make Ramolene LLDC 18350 versatile for both monolayer and multilayer cast packaging films. It is not intended for and should not be used in medical applications.

Typical Properties	English Unit	SI Unit	ASTM
Physical			
Melt Flow Rate (190 °C / 2.16 kg)	3.50 g/10 min	3.50 g/10 min	D1238
Density (23 °C)	0.918 g/cm ³	0.918 g/cm ³	D1505
Peak Melting Temperature by DSC (T _m)	237 °F	113.9 °C	Producer Method
Mechanical Stress & Impact			
Dart Drop Impact Strength, F50	140 g/μm	140 g/μm	D1709
Film TT&E			
Tensile Strength @ Yield - MD	1,200 psi	8 MPa	D882
Tensile Strength @ Yield - TD	1,100 psi	8 MPa	D882
Tensile Strength @ Break - MD	11,000 psi	76 MPa	D882
Tensile Strength @ Break - TD	6,800 psi	47 MPa	D882
Tensile Elongation @ Break - MD	510 %	510 %	D882
Tensile Elongation @ Break - TD	680 %	680 %	D882
1% Secant Modulus - MD	16,000 psi	111 MPa	D882
1% Secant Modulus - TD	18,000 psi	124 MPa	D882
Elmendorf Tear Strength - MD	190 g-force	190 g-force	D1922
Elmendorf Tear Strength - TD	500 g-force	500 g-force	D1922
Optical			
Haze	2.4 %	2.4 %	D1003
Gloss (45 °)	86 %	86 %	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 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.