

Typical Application

Agriculture Film, Shrink Film, Bags, Bottles, Opaque Containers.

Product Description

Ramolene LDBF 19070 B is a low density homopolymer resin used in a wide variety of industrial film applications where high impact strength, excellent drawdown, and good shrinkage are needed. Ramolene LDBF 19070 B exhibits good bubble stability, ease of processing, and good tensile strength.

Typical Properties	English Unit	SI Unit	ASTM
Physical			
Melt Flow Rate (190 °C / 2.16 kg)	0.70 g/10 min	0.70 g/10 min	D1238
Density (23 °C)	0.919 g/cm ³	0.919 g/cm ³	D1505
Mechanical Stress & Impact			
Dart Drop Impact Strength, F50	130 g/μm	130 g/μm	D1709
Tensile Stress/Strength at Break (23 °C)	1,650 psi	12 MPa	D638
Tensile Stress/Strength at Yield (23 °C)	1,550 psi	11 MPa	D638
Tensile Elongation at Break (23 °C)	700 %	700 %	D638
Tensile Elongation at Yield (23 °C)	100 %	100 %	D638
Film TT&E			
Tensile Strength @ Break - MD	3,400 psi	24 MPa	D882
Tensile Strength @ Break - TD	2,400 psi	17 MPa	D882
Tensile Elongation @ Break - MD	160 %	160 %	D882
Tensile Elongation @ Break - TD	480 %	480 %	D882
1% Secant Modulus - MD	26,000 psi	180 MPa	D882
1% Secant Modulus - TD	32,000 psi	221 MPa	D882
Elmendorf Tear Strength - MD	300 g-force	300 g-force	D1922
Elmendorf Tear Strength - TD	180 g-force	180 g-force	D1922
Hardness			
Durometer Shore Hardness (Shore D)	46	46	D2240
Thermal			
Vicat Softening Temperature	194 °F	90.0 °C	D1525
Low Temperature Brittleness, F ₅₀	-103 °F	-75.0 °C	D746
Additives			
Slip	0 ppm	0 ppm	Producer Method
AntiBlock	4,000 ppm	4,000 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.