

Typical Application

Agriculture Film, Bottles for Consumer Products, Bottles for Industrial Use, Food Packaging, Heavy Duty Packaging

Product Description

Ramolene LDBF 20025 is a fractional melt low density homopolymer resin used in shrink packaging, pallet wrap and heavy duty liner applications. Ramolene LDBF 20025 is also used in blow molding squeez bottles and other specialty applications. It exhibit excellent bobble stability and melt strength.

Typical Properties	English Unit	SI Unit	ASTM
Physical			
Melt Flow Rate (190 °C / 2.16 kg)	0.25 g/10 min	0.25 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	180 g/μm	180 g/μm	D1709
Tensile Stress/Strength at Break (23 °C)	2,600 psi	18 MPa	D638
Tensile Stress/Strength at Yield (23 °C)	1,420 psi	10 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	3,000 psi	21 MPa	D882
Tensile Strength @ Break - TD	2,800 psi	19 MPa	D882
Tensile Elongation @ Break - MD	310 %	310 %	D882
Tensile Elongation @ Break - TD	430 %	430 %	D882
1% Secant Modulus - MD	30,000 psi	207 MPa	D882
1% Secant Modulus - TD	35,000 psi	242 MPa	D882
Hardness			
Durometer Shore Hardness (Shore D)	45	45	D2240
Thermal			
Vicat Softening Temperature	199 °F	92.8 °C	D1525
Low Temperature Brittleness, F ₅₀	-103 °F	-75.0 °C	D746
Additives			
Slip	0 ppm	0 ppm	Producer Method
AntiBlock	4000 ppm	4000 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.