

Reliance Industries Reclair F18010 Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Injection Molded

Material Notes:

Butene comonomer based Linear Low Density Polyethylene blow film grade. Applications:lamination films. Information provided by Reliance Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_Reliance-Industries-Reclair-F18010-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ASTM D1505
Melt Flow	0.90 g/10 min @Load 2.16 kg	0.90 g/10 min @Load 4.76 lb	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	12.5 MPa	1810 psi	ASTM D882
Film Tensile Strength at Yield, TD	12.0 MPa	1740 psi	ASTM D882
Film Elongation at Break, MD	650 %	650 %	ASTM D882
Film Elongation at Break, TD	800 %	800 %	ASTM D882
Elmendorf Tear Strength, MD	3.30 g/micron	83.8 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	10.3 g/micron	262 g/mil	ASTM D1922
Dart Drop	3.50 g/micron	88.9 g/mil	F₅₀,38mm dart 66mm height; ASTM D1709
Film Tensile Strength at Break, MD	38.0 MPa	5510 psi	ASTM D882
Film Tensile Strength at Break, TD	30.0 MPa	4350 psi	ASTM D882

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