

## Reliance Industries Reclair F19010 Polyethylene

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

### Material Notes:

Blow film Linear Low Density Polyethylene grade. Reclair F19010 is butene comonomer based, with optimum levels of antioxidants, antiblocking agents, slip additives, and polymer processing aids. This grade is good for heavy duty applications and liquid packaging.

Characteristics: good toughness, good impact strength, and good tear resistance. Information provided by Reliance Industries

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Reliance-Industries-Reclair-F19010-Polyethylene.php](http://www.lookpolymers.com/polymer_Reliance-Industries-Reclair-F19010-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in <sup>3</sup>	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
Coefficient of Friction, Dynamic	0.16	0.16	ASTM D1894
Coefficient of Friction, Static	0.23	0.23	ASTM D1894
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	F <sub>&gt;50&lt;/sub&gt;,38mm dart 66mm height; ASTM D1709</sub>
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

Optical Properties	Metric	English	Comments
Gloss	80 %	80 %	60; ASTM D523

**Contact Songhan Plastic Technology Co.,Ltd.**

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China