

## Reliance Industries Reclair F18020 Polyethylene

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

### Material Notes:

Butene comonomer based Linear Low Density Polyethylene cast film grade. Reclair F18020 has optimum levels of antioxidants, and polymer processing aids. Applications: cast films, air bubble films, and films for lamination. Information provided by Reliance Industries

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Reliance-Industries-Reclair-F18020-Polyethylene.php](http://www.lookpolymers.com/polymer_Reliance-Industries-Reclair-F18020-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	2.0 g/10 min @Load 2.16 kg	2.0 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	700 %	700 %	ASTM D882
Film Elongation at Break, TD	800 %	800 %	ASTM D882
Elmendorf Tear Strength, MD	2.00 g/micron	50.8 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	7.30 g/micron	185 g/mil	ASTM D1922
Dart Drop	3.00 g/micron	76.2 g/mil	F<sub>50</sub>,38mm dart 66mm height; ASTM D1709
Film Tensile Strength at Break, MD	30.0 MPa	4350 psi	ASTM D882
Film Tensile Strength at Break, TD	25.0 MPa	3630 psi	ASTM D882

## Contact Songhan Plastic Technology Co.,Ltd.

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