

## Reliance Industries Reclair O21010 Polyethylene

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

### Material Notes:

Octene comonomer based Linear Low Density Polyethylene. Blow film grade. Contains an optimum level of antioxidants and polymer processing aids. Designed for lamination film applications. Characteristics: good optical properties, good adhesion to substrate. Information provided by Reliance Industries

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Reliance-Industries-Reclair-O21010-Polyethylene.php](http://www.lookpolymers.com/polymer_Reliance-Industries-Reclair-O21010-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	13.0 MPa	1890 psi	ASTM D882
Film Elongation at Break, MD	750 %	750 %	ASTM D882
Film Elongation at Break, TD	950 %	950 %	ASTM D882
Coefficient of Friction, Dynamic	0.50	0.50	ASTM D1894
Coefficient of Friction, Static	0.58	0.58	ASTM D1894
Elmendorf Tear Strength, MD	13.8 g/micron	351 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	27.6 g/micron	701 g/mil	ASTM D1922
Dart Drop	7.00 g/micron	178 g/mil	F <sub>&gt;50&lt;/sub&gt;,38mm dart 66mm height; ASTM D1709</sub>
Film Tensile Strength at Break, MD	45.0 MPa	6530 psi	ASTM D882
Film Tensile Strength at Break, TD	40.0 MPa	5800 psi	ASTM D882

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

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

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