

## Polimeri Europa Flexirene® CL 10 Butene Copolymer Linear Low Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE)/Butene, Film

### Material Notes:

Flexirene CL 10 is a butene copolymer linear low density polyethylene (C4-LLDPE), with antioxidants, suitable for cast extrusion of thin film with high optical properties. Main Applications: Flexirene CL 10 is recommended for the production of stretch film to be used in both manual and automatic wrapping machines. In a multilayer film, Flexirene CL 10 enhances the optical properties of the global formulation; moreover, for its high processability, the resin is recommended whenever high productivity has to be reached. Information provided by Polimeri Europa.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polimeri-Europa-Flexirene-CL-10-Butene-Copolymer-Linear-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Polimeri-Europa-Flexirene-CL-10-Butene-Copolymer-Linear-Low-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.918 g/cc	0.918 g/cc	ISO 1183
Thickness	10.0 - 50.0 microns	0.394 - 1.97 mil	Recommended
Melt Flow	2.6 g/10 min @Load 2.16 kg, Temperature 190 °C	2.6 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	9.00 MPa	1310 psi	ISO 527-3
Film Tensile Strength at Yield, TD	8.00 MPa	1160 psi	ISO 527-3
Film Elongation at Break, MD	600 %	600 %	ISO 527-3
Film Elongation at Break, TD	800 %	800 %	ISO 527-3
Coefficient of Friction, Dynamic	>= 0.50	>= 0.50	ISO 8295
Elmendorf Tear Strength, MD	3.8722 g/micron	98.354 g/mil	ISO 6383-2
Elmendorf Tear Strength, TD	10.5 g/micron	267 g/mil	ISO 6383-2
Dart Drop Test	100 g	0.221 lb	F50; ISO 7765-1
Film Tensile Strength at Break, MD	35.0 MPa	5080 psi	ISO 527-3
Film Tensile Strength at Break, TD	25.0 MPa	3630 psi	ISO 527-3
1% Secant Modulus, MD	90.0 MPa	13100 psi	ISO 527-3
1% Secant Modulus, TD	105 MPa	15200 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
Melting Point	121 °C	250 °F	Internal method
Vicat Softening Point	97.0 °C @Load 1.00 kg	207 °F @Load 2.20 lb	ISO 306/A
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D746

Optical Properties	Metric	English	Comments
Haze	2.0 %	2.0 %	ISO 14782
Gloss	91 %	91 %	45°; ASTM D2457

## 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