

## Polimeri Europa Flexirene® FF 25 Butene Copolymer Linear Low Density Polyethylene

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

### Material Notes:

Flexirene FF 25 is a butene copolymer linear low density polyethylene (C4-LLDPE), with antioxidants, suitable for blown film extrusion. Flexirene FF 25 is characterized by a high elongational viscosity leading to a good bubble stability during extrusion. Main Applications: Flexirene FF 25 is recommended for the production of agriculture film, heavy duty bags, in blend or coextrusion with LDPE. Information provided by Polimeri Europa.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polimeri-Europa-Flexirene-FF-25-Butene-Copolymer-Linear-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Polimeri-Europa-Flexirene-FF-25-Butene-Copolymer-Linear-Low-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.920 g/cc	0.920 g/cc	ISO 1183
Thickness	15.0 - 50.0 microns	0.591 - 1.97 mil	Recommended
Melt Flow	0.75 g/10 min @Load 2.16 kg, Temperature 190 °C	0.75 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	11.0 MPa	1600 psi	ISO 527-3
Film Tensile Strength at Yield, TD	11.0 MPa	1600 psi	ISO 527-3
Film Elongation at Break, MD	580 %	580 %	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	2.5475 g/micron	64.706 g/mil	ISO 6383-2
Elmendorf Tear Strength, TD	18.342 g/micron	465.89 g/mil	ISO 6383-2
Dart Drop Test	100 g	0.221 lb	F50; ISO 7765-1
Film Tensile Strength at Break, MD	45.0 MPa	6530 psi	ISO 527-3
Film Tensile Strength at Break, TD	32.0 MPa	4640 psi	ISO 527-3
1% Secant Modulus, MD	200 MPa	29000 psi	ISO 527-3
1% Secant Modulus, TD	210 MPa	30500 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
Vicat Softening Point	98.0 °C	208 °F	ISO 306/A
	@Load 1.00 kg	@Load 2.20 lb	
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D746

Optical Properties	Metric	English	Comments
Haze	12 %	12 %	ISO 14782
Gloss	55 %	55 %	45°; ASTM D2457

## Contact Songhan Plastic Technology Co.,Ltd.

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