

## Polimeri Europa Riblene® FL 20 Low Density Polyethylene - Blown Film Extrusion

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Film Grade

### Material Notes:

Riblene FL 20 is a low density polyethylene (LDPE) suitable for blown film extrusion. Riblene FL 20 is characterized by a good balance between processability and mechanical properties. Films manufactured with Riblene FL 20 are easily heat shrinkable and have good optical properties. Main Applications: Riblene FL 20 is recommended for general packaging film, for the production of low gauge and shrink film and for blend. Information provided by Polimeri Europa.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polimeri-Europa-Riblene-FL-20-Low-Density-Polyethylene-Blown-Film-Extrusion.php](http://www.lookpolymers.com/polymer_Polimeri-Europa-Riblene-FL-20-Low-Density-Polyethylene-Blown-Film-Extrusion.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.921 g/cc	0.921 g/cc	ISO 1183
Thickness	25.0 - 80.0 microns	0.984 - 3.15 mil	Recommended
Melt Flow	2.2 g/10 min @Load 2.16 kg, Temperature 190 °C	2.2 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	10.0 MPa	1450 psi	ISO 527-3
Film Tensile Strength at Yield, TD	10.0 MPa	1450 psi	ISO 527-3
Film Elongation at Break, MD	350 %	350 %	ISO 527-3
Film Elongation at Break, TD	500 %	500 %	ISO 527-3
Coefficient of Friction, Dynamic	>= 0.50	>= 0.50	ISO 8295
Elmendorf Tear Strength, MD	7.133 g/micron	181.2 g/mil	ISO 6383-2
Elmendorf Tear Strength, TD	4.5855 g/micron	116.47 g/mil	ISO 6383-2
Dart Drop Test	190 g	0.419 lb	F50; ISO 7765-1
Film Tensile Strength at Break, MD	25.0 MPa	3630 psi	ISO 527-3
Film Tensile Strength at Break, TD	19.0 MPa	2760 psi	ISO 527-3
1% Secant Modulus, MD	160 MPa	23200 psi	ISO 527-3
1% Secant Modulus, TD	180 MPa	26100 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
Vicat Softening Point	90.0 °C	194 °F	ISO 306/A
	@Load 1.00 kg	@Load 2.20 lb	
Brittleness Temperature	<= -75.0 °C	<= -103 °F	ASTM D746

Optical Properties	Metric	English	Comments
Haze	9.0 %	9.0 %	ISO 14782
Gloss	54 %	54 %	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