## Riblene® FL 34 I

## Low Density Polyethylene

Versalis S.p.A.

## Message:

Riblene FL 34 I is a low density polyethylene (LDPE), additivated with slip and antiblocking agent, suitable for blown film extrusion. Riblene FL 34 I is characterised by a good balance between processability, mechanical and optical properties. Films manufactured by Riblene FL 34 I are easily heat shrinkable.

Main Applications

Riblene FL 34 I is recommended for general blown film applications, for the production of low gauge film and

shrink film and for blend.

Riblene FL 34 I thanks its properties is also recommended for the production of high purity film.

Additive   Anti-caking agent     slip agent     Features   High purity     Low density     smoothness     Optical     Anti-caking property     Workability, good     Good thermal shrinkage     Compliance of Food Exposure     Uses   Blown Film     Films     Mixing     Shrinkable film     Anti-caking property     Morea     Good thermal shrinkage     Compliance of Food Exposure     Uses     Blown Film     Films     Mixing     Shrinkable film     Processing Method   Blow film     Processing Method   Blow film     Physical   Nominal Value     Unit   Test Method     Methadas-Flow Rate (MFR) (190°C/2.16   g/10 min     kg1   2.1   g/10 min     Mechanical   Nominal Value   Unit     Good (Coefficient of Friction (Dynamic, Blown   1.11   ISO R295     Films   Nominal Value   Unit   Test Method	General Information			
Fetures   High puriy   Low density     Iso density   smoothness     Optical   Anti-caking property     Workability, good   Good thermal strinkage     Compliance of Food Exposure   Compliance of Food Exposure     Uses   Blown Film     Films   Mixing     Mixing   Sinnkable film     Speny Ratings   Reropeen food contact not rated     Foressing Method   Norminal Value     Physical   Join Mainal Value     Mixing   Sinnal Sininkage     Density   Particle     Physical   Norminal Value     Mixing   Sininkable film     Physical   Norminal Value   Vint     Physical   Norminal Value   Iso 1183     Mixing   Sininkable film   Sininkable film     Physical   Norminal Value   Vint     Physical   Norminal Value   Vint     Mixing   Sininkable   Sininkable     Coefficient of Friction (Dynamic, Bitow)   Sininkable   Sininkable     Good thermal structure   Vint   Sin 2635     Films   Norminal Value	Additive	Anti-caking agent		
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	Films	Nominal Value	Unit	Test Method
	Film Thickness - Tested	40	μm	
Film Thickness - Recommended / Available 25 to 80 µm	Film Thickness - Recommended / Available	25 to 80 µm		

Tensile Modulus			ISO 527-3
1% secant, MD: 40 µm, blown film	180	MPa	ISO 527-3
1% secant, TD: 40 µm, blown film	190	MPa	ISO 527-3
Tensile Stress			ISO 527-3
MD: Yield, 40 µm, blown film	11.0	MPa	ISO 527-3
TD: Yield, 40 µm, blown film	11.0	MPa	ISO 527-3
MD: Broken, 40 µm, blown film	23.0	MPa	ISO 527-3
TD: Broken, 40 µm, blown film	18.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Broken, 40 µm, blown film	300	%	ISO 527-3
TD: Broken, 40 µm, blown film	580	%	ISO 527-3
Dart Drop Impact <sup>1</sup> (40 µm, Blown Film)	130	g	ISO 7765-1/A
Elmendorf Tear Strength <sup>2</sup>			ISO 6383-2
MD : 40.0 µm	80.0	kN/m	ISO 6383-2
TD : 40.0 µm	50.0	kN/m	ISO 6383-2
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -75.0	°C	ASTM D746
Vicat Softening Temperature	93.0	°C	ISO 306/A
Melting Temperature	113	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 40.0 µm, Blown Film)	70		ASTM D2457
Haze (40.0 µm, Blown Film)	6.0	%	ISO 14782
Extrusion	Nominal Value	Unit	
Melt Temperature	160 - 190	°C	
NOTE			
1.	F50		
2.	Blown Film		

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