Riblene® FF 34 D

Low Density Polyethylene

Versalis S.p.A.

Message:

Riblene FF 34 D is a high molecular weight low density polyethylene (LDPE), additivated with slip and antiblocking agent, suitable for blown film extrusion.
Riblene FF 34 D is characterised by a good melt strength leading to a good bubble stability during extrusion
Films manufactured by Riblene FF 34 D are easily heat shrinkable and characterised by good mechanical properties.
Main Application
Riblene FF 34 D is recommended for the production of general packaging film, shoppers, lamination film and blend.

General Information			
Additive	Antiblock Slip		
Features	Antiblocking Food Contact Acceptable Good Heat Shrinkability Good Melt Strength High Molecular Weight Low Density Slip		
Uses	Bags Blending Film Laminates Packaging		
Agency Ratings	EU Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Blown Film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.924	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction (vs. Itself - Dynamic, Blown Film)	0.15		ISO 8295
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	70	µm	
Film Thickness - Recommended / Available	30 to 120 µm		
Tensile Modulus			ISO 527-3

1% Secant, MD : 70 µm, Blown Film	180	MPa	
1% Secant, TD : 70 µm, Blown Film	190	MPa	
Tensile Stress			ISO 527-3
MD : Yield, 70 µm, Blown Film	10.0	MPa	
TD : Yield, 70 µm, Blown Film	11.0	MPa	
MD : Break, 70 µm, Blown Film	22.0	MPa	
TD : Break, 70 µm, Blown Film	19.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 70 µm, Blown Film	400	%	
TD : Break, 70 µm, Blown Film	600	%	
Dart Drop Impact [1] (70 µm, Blown Film)	180	g	ISO 7765-1
Elmendorf Tear Strength [2]			ISO 6383-2
MD : 70.0 µm	45.0	kN/m	
TD : 70.0 µm	60.0	kN/m	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	< -75.0	°C	ASTM D746
Vicat Softening Temperature	95.0	°C	ISO 306/A
Melting Temperature	114	°C	Internal Method
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°, 70.0 µm, Blown Film)	60		ASTM D2457
Haze (70.0 µm, Blown Film)	9.0	%	ISO 14782
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	170 to 200	°C	
NOTE			
1.	F50		
2.	Blown Film		

Recommended distributors for this material

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