



Technical Data Sheet

Riblene® FF34

Low Density Polyethylene

DESCRIPTION

Riblene® FF34 is a high molecular weight low density polyethylene (LDPE), additivated with slip and antiblocking agent, suitable for blown film extrusion. Riblene® FF34 is characterised by a good melt strength leading to a good bubble stability during extrusion. Films manufactured by Riblene® FF34 are easily heat shrinkable and characterised by good mechanical properties.

APPLICATIONS

Riblene® FF34 is recommended for the production of general packaging film, shoppers, lamination film and blends.

PROPERTIES

TYPICAL

Properties	Test Method	Typical value
Resin Properties		
Melt Flow Index _{190 °C / 2.16 kg} (g/10')	ASTM D1238	0.75
Density (g/cm ³)	ASTM D1505	0,924
Melting point (°C)	PE	114
Brittleness point (°C)	ASTM D746	<-75
Vicat softening point _{1 kg} (°C)	ASTM D1525	95
Slip agent level	PE	medium
Antiblocking level	PE	medium
Film Properties¹ - Thickness 70 µm		
Tensile strength at yield (MPa)	MD	10
	TD	11
Tensile strength at break (MPa)	MD	22
	TD	19
Elongation at break (%)	MD	400
	TD	600
1% Secant Modulus (MPa)	MD	180
	TD	190
Tear resistance (Elmendorf) (N/mm)	MD	45
	TD	60
Impact resistance, F ₅₀ (g) (Dart Drop Test)	ASTM D1709	180
Coefficient of Friction (dynamic)	ASTM D1894	0.15
Haze (%)	ASTM D1003	9
Gloss, 45° (%)	ASTM D2457	60

¹ Typical value for a film extruded with BUR 1:3, thickness 70 µm.

Actual properties are typical and may vary depending upon operating conditions and additive package.

This document is constituted of 2 pages

EXTRUSION CONDITIONS

Riblene® FF34 is easily processable using blown film technology. Melt temperature should be between 170°C and 200°C.
Recommended thickness: 40 - 150 µm

STORAGE AND HANDLING

Riblene® FF34 is supplied in pellet form. This material may readily be conveyed and bulk-fed through equipment designed for conventional pelletised polyethylene resin, provided the equipment is designed to prevent accumulation of the fines and dust particles that are contained in all polyethylene resins. These fines and dust particles can, under certain conditions, pose an explosion hazard. We recommend that the conveying system used be equipped with filters of adequate size, operated and maintained in such a manner to ensure that no leaks develop and earthed adequately. We further recommend that good housekeeping be practised throughout your facility.

Before using this product, read and understand the current POLIMERI EUROPA Safety Data Sheet for this product.

AVAILABILITY

Contact the POLIMERI EUROPA sales office nearest to you regarding availability and your specific application requirements.

FOOD CONTACT STATUS

Riblene® FF34 complies with the rules and regulations of the European Union, as well as other countries, regarding the use of plastic materials in food contact applications. Certificates of compliance are available upon request.

TECHNICAL SERVICE

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