

Polimeri Europa Riblene® FF 34 Low Density Polyethylene - Blown Film Extrusion

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

Material Notes:

Riblene FF 34 is a high molecular weight low density polyethylene (LDPE), with added slip and antiblocking agents, suitable for blown film extrusion. Riblene FF 34 is characterized by a good melt strength leading to a good bubble stability during extrusion. Films manufactured with Riblene FF 34 are easily heat shrinkable and characterized by good mechanical properties. Main Applications: Riblene FF 34 is recommended for the production of general packaging film, shoppers, lamination film and blend. Information provided by Polimeri Europa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Riblene-FF-34-Low-Density-Polyethylene-Blown-Film-Extrusion.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.924 g/cc	0.924 g/cc	ISO 1183
Thickness	30.0 - 150 microns	1.18 - 5.91 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	10.0 MPa	1450 psi	ISO 527-3
Film Tensile Strength at Yield, TD	11.0 MPa	1600 psi	ISO 527-3
Film Elongation at Break, MD	400 %	400 %	ISO 527-3
Film Elongation at Break, TD	600 %	600 %	ISO 527-3
Coefficient of Friction, Dynamic	0.15	0.15	ISO 8295
Elmendorf Tear Strength, MD	4.5855 g/micron	116.47 g/mil	ISO 6383-2
Elmendorf Tear Strength, TD	6.114 g/micron	155.3 g/mil	ISO 6383-2
Dart Drop Test	180 g	0.397 lb	F50; ISO 7765-1
Film Tensile Strength at Break, MD	22.0 MPa	3190 psi	ISO 527-3
Film Tensile Strength at Break, TD	19.0 MPa	2760 psi	ISO 527-3
1% Secant Modulus, MD	180 MPa	26100 psi	ISO 527-3
1% Secant Modulus, TD	190 MPa	27600 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
Vicat Softening Point	95.0 °C	203 °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	60 %	60 %	45°; ASTM D2457

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