Riblene® FF 33

Low Density Polyethylene

Versalis S.p.A.

Message:

Riblene FF 33 is a high molecular weight low density polyethylene (LDPE), additivated with slip agent, ideal for blown film extrusion. Riblene FF 33 is characterised by a good melt strength leading to a good bubble stability during extrusion.
Main Applications
Riblene FF 33 is recommended for the production of shrink film for medium and light loads, for lamination film, for carrier bags, for packaging film and for blend.

General Information			
Additive	slip agent		
Features	High molecular weight smoothness Good thermal shrinkage Good melt strength Compliance of Food Exposure		
Uses	Packaging Films Laminate Bags Mixing Shrinkable film		
Agency Ratings	European food contact, not rated		
Forms	Particle		
Processing Method	Blow film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.923	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 (Dynamic, Blown Film)	0.11		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% sectioning, MD: 70 µm, blown film	180	MPa	ISO 527-3
1% sectioning, TD: 70 µm, blown film	190	MPa	ISO 527-3
Tensile Stress			ISO 527-3

MD: yield, 70 µm, blow film	10.0	MPa	ISO 527-3
TD: yield, 70 µm, blow film	11.0	MPa	ISO 527-3
MD: broken, 70 µm, blown film	22.0	MPa	ISO 527-3
TD: broken, 70 µm, blown film	19.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: broken, 70 µm, blown film	400	%	ISO 527-3
TD: broken, 70 µm, blown film	600	%	ISO 527-3
Dart Drop Impact [1] (70 µm, Blown Film)	180	g	ISO 7765-1/A
Elmendorf Tear Strength [2]			ISO 6383-2
MD : 70.0 µm	45.0	kN/m	ISO 6383-2
TD : 70.0 µm	60.0	kN/m	ISO 6383-2
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -75.0	°C	ASTM D746
Vicat Softening Temperature	95.0	°C	ISO 306/A
Melting Temperature	113	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 70.0 µm, Blown Film)	65		ASTM D2457
Haze (70.0 µm, Blown Film)	7.5	%	ISO 14782
Extrusion	Nominal Value	Unit	
Melt Temperature	170 - 200	°C	
NOTE			
1.	F50		
2.	Blown Film		

Recommended distributors for this material

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