Riblene® FH 39 F

Low Density Polyethylene

Versalis S.p.A.

Message:

Riblene FH 39 F is a low density polyethylene (LDPE) suitable for blown film extrusion. Riblene FH 39 D-F is characterised by a good balance between processability and mechanical properties.

Films manufactured by Riblene FH 39 D-F are easily heat shrinkable and have good optical and mechanical properties.

Main Application

Riblene FH 39 F is recommended for general packaging film and for diapers.

Features Food Contact Acceptable Good Heat Shrinkability Good Processability Low Density Low Density Opticals Policals Uses Film Packaging Sanitary Products Agency Ratings EU Food Contact, Unspecified Rating Forms Pellets Processing Method Blown Film Physical Nominal Value Unit Test Method Density 0.924 g/cm² ISO 1133 Melt Mass-Flow Rate (MFR) (190°C/2.16* 1.2 g/10 min ISO 1133 Mechanical Nominal Value Unit Test Method Coefficient of Friction (vs. Itself - Dynamic, Blown Film > 0.50 ISO 8295 Films Nominal Value Unit Test Method Coefficient of Friction (vs. Itself - Dynamic, Blown Film 30 to 100 μm ISO 8295 Films Nominal Value Unit Test Method Coefficient of Friction (vs. Itself - Dynamic, Blown Film 30 to 100 μm ISO 827-3 Film Thickness - Tested 40 MPa <td< th=""><th>General Information</th><th></th><th></th><th></th></td<>	General Information				
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TD : Break, 40 µm, Blown Film 23.0 MPa					

Tensile Elongation			ISO 527-3
MD : Break, 40 µm, Blown Film	400	%	
TD : Break, 40 µm, Blown Film	600	%	
Dart Drop Impact ¹ (40 µm, Blown Film)	140	g	ISO 7765-1
Elmendorf Tear Strength ²			ISO 6383-2
MD : 40.0 μm	60.0	kN/m	
TD : 40.0 µm	55.0	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°, 40.0 μm, Blown Film)	71		ASTM D2457
Haze (40.0 μm, Blown Film)	5.5	%	ISO 14782
Extrusion	Nominal Value	Unit	
Melt Temperature	160 to 200	°C	
NOTE			
1.	F50		
2.	Blown Film		

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