Riblene® FH 39 D

Low Density Polyethylene

Versalis S.p.A.

Message:

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

General Information			
Features	Food Contact Acceptable Good Processability Low Density		
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/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	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**
Film Thickness - Tested	40	µm	
Film Thickness - Recommended / Available	30 to 100 µm		
Tensile Modulus			ISO 527-3
1% Secant, MD : 40 µm, Blown Film	180	MPa	
1% Secant, TD : 40 µm, Blown Film	190	MPa	
Tensile Stress			ISO 527-3
MD : Yield, 40 µm, Blown Film	11.0	MPa	
TD : Yield, 40 µm, Blown Film	11.0	MPa	
MD : Break, 40 µm, Blown Film	24.0	MPa	
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		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

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