Flexirene® FH 56 A

Linear Low Density Polyethylene

Versalis S.p.A.

Message:

Flexirene FH 56 A s a butene copolymer with medium density (C4-LLDPE), with antioxidants and processing aid, suitable for blown film extrusion.
Film manufactured with Flexirene FH 56 A are characterised by a good rigidity and an optimum processability.
Main Application
Flexirene FH 56 A is recommended for the production of general purpose film in blend or in coextrusion with LDPE. It is also used for the production of nets because of its perfect balance between rigidity and processability.

General Information	
Additive	Antioxidant Processing Aid
Features	Antioxidant Butene Comonomer Copolymer Food Contact Acceptable Good Processability Medium Density Medium Rigidity
Uses	Blending Film Netting
Agency Ratings	EU Food Contact, Unspecified Rating
Forms	Pellets
Processing Method	Blown Film Coextrusion

Physical	Nominal Value	Unit	Test Method
Density	0.934	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.4	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	25	µm	
Film Thickness - Recommended / Available	15 to 50µm		
Tensile Modulus			ISO 527-3

1% Secant, MD : 25 µm, Blown Film	390	MPa	
1% Secant, TD : 25 µm, Blown Film	450	MPa	
Tensile Stress			ISO 527-3
MD : Yield, 25 µm, Blown Film	16.0	MPa	
TD : Yield, 25 µm, Blown Film	18.0	MPa	
MD : Break, 25 µm, Blown Film	40.0	MPa	
TD : Break, 25 µm, Blown Film	32.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 25 µm, Blown Film	650	%	
TD : Break, 25 µm, Blown Film	800	%	
Dart Drop Impact [1] (25 µm, Blown Film)	55	g	ISO 7765-1
Elmendorf Tear Strength [2]			ISO 6383-2
MD : 25.0 µm	7.0	kN/m	
TD : 25.0 µm	60.0	kN/m	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	117	°C	ISO 306/A
Melting Temperature	126	°C	Internal Method
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°, 25.0 µm, Blown Film)	50		ASTM D2457
Haze (25.0 µm, Blown Film)	14	%	ISO 14782
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	190 to 230	°C	
NOTE			
1.	F50		
2.	Blown Film		

Recommended distributors for this material

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