Clearflex® FG 308

Linear Low Density Polyethylene

Versalis S.p.A.

Message:

Clearflex FG 308 is an octene linear low density polyethylene (C8-LLDPE), additivated with antioxidant and processing aid, suitable for blown film extrusion.
Film manufactured with Clearflex FG 308 are characterised by a good balance between optical properties and mechanical performances.
Main Application
Clearflex FG 308 is recommended for applications in which good mechanical properties and sealability are requested (flexible packaging with a certain rigidity). It is also the right choice for the production of silage film, either in coextrusion or in blend with LDPE.

General Information	
Additive	Antioxidant Processing Aid
Features	Antioxidant Copolymer Food Contact Acceptable Good Heat Seal Low Density Octene Comonomer Opticals
Uses	Blending Film Packaging
Agency Ratings	EU Food Contact, Unspecified Rating
Forms	Pellets
Processing Method	Blown Film Coextrusion

Physical	Nominal Value	Unit	Test Method
Density	0.925	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	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	10 to 50µm		

Tensile Modulus			ISO 527-3
1% Secant, MD : 25 µm, Blown Film	230	MPa	
1% Secant, TD : 25 µm, Blown Film	250	MPa	
Tensile Stress			ISO 527-3
MD : Yield, 25 µm, Blown Film	12.0	MPa	
TD : Yield, 25 µm, Blown Film	12.0	MPa	
MD : Break, 25 µm, Blown Film	45.0	MPa	
TD : Break, 25 µm, Blown Film	42.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 25 µm, Blown Film	500	%	
TD : Break, 25 µm, Blown Film	750	%	
Dart Drop Impact [1] (25 µm, Blown Film)	150	g	ISO 7765-1
Elmendorf Tear Strength [2]			ISO 6383-2
MD : 25.0 µm	100.0	kN/m	
TD : 25.0 µm	250.0	kN/m	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	107	°C	ISO 306/A
Melting Temperature	125	°C	Internal Method
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°, 25.0 µm, Blown Film)	55		ASTM D2457
Haze (25.0 µm, Blown Film)	12	%	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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