Clearflex® H&T; LFH 208

Linear Low Density Polyethylene

Versalis S.p.A.

Message:

Clearflex H&T LFH 208 is an octene copolymer linear low density polyethylene (C8-LLDPE), with antioxidants and processing aid, suitable for blown film extrusion.
Films obtained from Clearflex H&T LFH 208 have excellent optical properties (haze and gloss), wide sealing temperature window, together with optimal sealing resistance, outstanding tear, impact and puncture resistance. Its properties make Clearflex H&T LFH 208 the right choice for top end performance applications.
Main Application
Due to its excellent sealing behaviour, Clearflex H&T LFH 208 is recommended for packaging of food and edible fats and for applications requiring a superior sealing performance. Its very low gel content makes it ideal for lamination. Clearflex H&T LFH 208 is also recommended for silage stretch film production, due to its outstanding mechanical properties.

General Information	
Additive	Antioxidant
	Processing Aid
Features	Antioxidant
	Broad Seal Range
	Copolymer
	Food Contact Acceptable
	Good Heat Seal
	Good Tear Strength
	High Gloss
	High Impact Resistance
	Low Density
	Low Gel
	Octene Comonomer
	Opticals
	Puncture Resistant
Uses	Film
	Food Packaging
	Laminates
	Stretch Wrap
Agency Ratings	EU Food Contact, Unspecified Rating
Forms	Pellets
Processing Method	Blown Film

Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm³	ISO 1183

Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.75	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	200	MPa	
1% Secant, TD : 25 µm, Blown Film	250	MPa	
Tensile Stress			ISO 527-3
MD : Yield, 25 µm, Blown Film	10.0	MPa	
TD : Yield, 25 µm, Blown Film	10.0	MPa	
MD : Break, 25 µm, Blown Film	50.0	MPa	
TD : Break, 25 µm, Blown Film	45.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 25 µm, Blown Film	600	%	
TD : Break, 25 µm, Blown Film	750	%	
Dart Drop Impact [1] (25 µm, Blown Film)	250	g	ISO 7765-1
Elmendorf Tear Strength [2]			ISO 6383-2
MD : 25.0 µm	180.0	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	102	°C	ISO 306/A
Melting Temperature	119	°C	Internal Method
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°, 25.0 µm, Blown Film)	60		ASTM D2457
Haze (25.0 µm, Blown Film)	9.0	%	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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