Clearflex® H&T; CMH 108

Linear Low Density Polyethylene

Versalis S.p.A.

Message:

Clearflex H&T CMH 108 is an octene copolymer linear low density polyethylene (C8-LLDPE), with antioxidants, suitable for cast film extrusion. Stretch films obtained from Clearflex H&T CMH 108 show excellent optical properties, high puncture and tear resistance along machine direction together with excellent performances in automatic wrapping machines (prestretch).
Main Application
Clearflex H&T CMH 108, for its rheological behaviour, is recommended in all special applications where ease of processing is a key issue. Moreover, thanks to a optimum combination between fracture mechanical properties (mainly puncture and MD Elmendorf tear resistance) and pre-stretch performances, Clearflex H&T CMH 108 is suggested to manufacture super power stretch cast film.

General Information			
Additive	Antioxidant		
Features	Antioxidant Copolymer Food Contact Acceptable Good Stretchability Good Tear Strength Low Density Octene Comonomer Opticals Puncture Resistant		
Uses	Cast Film Film Stretch Wrap		
Agency Ratings	EU Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Cast Film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.920	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.5	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction (vs. Itself - Dynamic, Cast Film)	> 0.50		ISO 8295
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	23	µm	
Film Thickness - Recommended / Available	8 to 50µm		
Tensile Modulus			ISO 527-3
1% Secant, MD : 23 µm, Cast Film	145	MPa	

1% Secant, TD : 23 µm, Cast Film	155	MPa	
Tensile Stress			ISO 527-3
MD : Yield, 23 µm, Cast Film	10.0	MPa	
TD : Yield, 23 µm, Cast Film	10.0	MPa	
MD : Break, 23 µm, Cast Film	42.0	MPa	
TD : Break, 23 µm, Cast Film	35.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 23 µm, Cast Film	600	%	
TD : Break, 23 µm, Cast Film	800	%	
Dart Drop Impact [1] (23 µm, Cast Film)	200	g	ISO 7765-1
Elmendorf Tear Strength [2]			ISO 6383-2
MD : 23.0 µm	170.0	kN/m	
TD : 23.0 µm	230.0	kN/m	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	97.0	°C	ISO 306/A
Melting Temperature	122	°C	Internal Method
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°, 23.0 µm, Cast Film)	93		ASTM D2457
Haze (23.0 µm, Cast Film)	0.50	%	ISO 14782
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	220 to 270	°C	
NOTE			
1.	F50		
2.	Cast Film		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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