Clearflex® H&T; FHH 508

Linear Medium Density Polyethylene

Versalis S.p.A.

Message:

Clearflex H&T FHH 508 is an octene copolymer linear medium density polyethylene, with antioxidants, suitable for blown film extrusion.
Films obtained from Clearflex H&T FHH 508 show good optical properties, high rigidity, high temperature resistance and excellent sealing properties.
Main Application
For its excellent optical properties and sealing performances, together with a very low gel content, Clearflex H&T FHH 508 is the ideal choice for the production of lamination films. Due to its softening point, Clearflex H&T FHH 508 is especially recommended for flexible packaging that have to withstand heat cycles such as cook-in films.

General Information			
Additive	Antioxidant		
Features	Antioxidant Copolymer Food Contact Acceptable Good Flexibility Good Heat Seal High Heat Resistance High Rigidity Low Gel Medium Density Octene Comonomer Opticals		
Uses	Film Laminates Packaging		
Agency Ratings	EU Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Blown Film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.935	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.5	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	430	MPa	
1% Secant, TD : 25 µm, Blown Film	500	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	50.0	MPa	
TD : Break, 25 µm, Blown Film	40.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 25 µm, Blown Film	600	%	
TD : Break, 25 µm, Blown Film	900	%	
Dart Drop Impact [1] (25 µm, Blown Film)	70	g	ISO 7765-1
Elmendorf Tear Strength [2]			ISO 6383-2
MD : 25.0 µm	30.0	kN/m	
TD : 25.0 µm	130.0	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	127	°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)	13	%	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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