INEOS LLDPE LL6910LA

Linear Low Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

LL6910LA is rigid blown film grade offering a certified low level of gels making it ideal for lamination or thin film applications with highly decorative printing.
Benefits and Features
LL6910LA is a linear low density polyethylene copolymer containing hexene-1 as the co-monomer which offers the following properties:
Very low gel level
Good optical properties
High temperature resistance
High creep resistance
Excellent sealability and hot-tack strength
If corona treatment is necessary, the level should normally be in the range 38-48 mN/m.

General Information			
Additive	Antioxidant		
Features	Antioxidant Copolymer Good Creep Resistance Good Heat Seal Hexene Comonomer High Heat Resistance Low Gel Opticals		
Uses	Decorative Parts Film Laminates		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Blown Film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.936	g/cm³	ISO 1183/D
Melt Mass-Flow Rate (MFR) [1] (190°C/2.16 kg)	1.0	g/10 min	ISO 1133
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	38	µm	
Tensile Modulus - 1% Secant (38 µm, Blown Film)	450	MPa	ISO 1184
Tensile Stress			ISO 527-3
MD : Yield, 38 µm, Blown Film	18.0	MPa	
TD : Yield, 38 µm, Blown Film	21.0	MPa	

MD : 38 µm, Blown Film	54.0	MPa	
TD : 38 µm, Blown Film	36.0	MPa	
Tensile Elongation			ISO 1184
MD : Break, 38 µm, Blown Film	780	%	
TD : Break, 38 µm, Blown Film	990	%	
Dart Drop Impact (38 µm, Blown Film)	65	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm, Blown Film	35	g	
TD : 25 µm, Blown Film	330	g	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	121	°C	ISO 306/A
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 38.0 µm, Blown Film)	50		ASTM D2457
Haze (38.0 µm, Blown Film)	13	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 230	°C	
NOTE			
1.	Condition 4		

Recommended distributors for this material

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