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
Thermal Vicat Softening Temperature	Nominal Value	Unit °C	Test Method ISO 306/A
Vicat Softening Temperature	121	°C	ISO 306/A
Vicat Softening Temperature Optical	121 Nominal Value	°C	ISO 306/A Test Method
Vicat Softening Temperature Optical Gloss (45°, 38.0 µm, Blown Film)	121 Nominal Value 50	°C Unit	ISO 306/A Test Method ASTM D2457
Vicat Softening Temperature Optical Gloss (45°, 38.0 μm, Blown Film) Haze (38.0 μm, Blown Film)	121 Nominal Value 50 13	°C Unit	ISO 306/A Test Method ASTM D2457
Vicat Softening Temperature Optical Gloss (45°, 38.0 µm, Blown Film) Haze (38.0 µm, Blown Film) Extrusion	Nominal Value 50 13 Nominal Value	°C Unit % Unit	ISO 306/A Test Method ASTM D2457

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