LL6910LA

Product Technical Information

LLDPE film products

Benefits & 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.

Applications

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.

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate		ISO 1133-1	1	g/10min
Physical				
Density		ISO 1183-2	936	kg/m³
Mechanical				
1% Secant modulus		ISO 527-3	450	MPa
Dart drop impact	Method A	ASTM D1709	65	g
Elmendorf tear strength	MD/TD	ASTM D1922	35/325	gf/25 µm
Elongation at break	MD/TD	ISO 527-3	780/990	%
Tensile stress at break	MD/TD	ISO 527	54/36	MPa
Tensile stress at yield	MD/TD	ISO 527	18/21	MPa
Optical				
Gloss	45°	ASTM D2457	50	GU
Haze		ASTM D1003	13	%

Data should not be used for specification work

(*) - 38µm film. 2:1 blowup ratio, 225ºCmelt temperature – MD = Machine direction TD = Transverse direction

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Extrusion conditions

LL6910LA can be processed on most standard extrusion equipment. Optimisation may be required depending on the exact end use requirements. Recommended melt temperature range is 180 – 230°C.

Storage

The product should be stored in a dry and dust free environment at temperature below 50°C.
Exposure to direct sunlight should be avoided as this may lead to product deterioration.
It is advised to process the product within maximum one year after delivery.