



LL6910LA

Product Technical Information

LLDPE film products

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.

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.

Properties	Test Methods	Values	Units
Physical			
Melt Flow Rate	ISO 1133 Condition 4	1.0	g/10min
Density	ISO 1183 Method A	936	kg/ m ³
Vicat softening temperature	ISO 306 Method A	121	°C
Additives : Antioxidants			
Film(*)			
Dart drop impact	ASTM D1709 Method A	65	g
Tensile strength at yield MD/TD	ISO 0527	18/21	MPa
Tensile strength at break MD/TD	ISO 0527	54/36	MPa
Elongation at break MD/TD	ISO 1184	780/990	%
1% Secant modulus	ISO 1184	450	MPa
Elmendorf tear strength MD/TD	ASTM D1922	35/325	g/25µm
Haze	ASTM D1003	13	%
Gloss (45°)	ASTM D2457	50	%

Data should not be used for specification work

(*) - 38µm film. 2:1 blowup ratio, 225°Cmelt 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

LL6910LA 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.

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The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an email to psnohreg@ineos.com. Unless specifically indicated, the products mentioned herein are not suitable for applications in the medical or pharmaceutical sector.

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