L2102TX00 LDPE

LDPE L2102TX00 is Low Density Poly Ethylene for Blown Film and for general purpose film without additives. used in a wide range of widths and thicknesses.

The L2102TX00 produced by the tubular reactor process. As a results the product range covers a wide variety of densities and melt flow rates. The LDPE grade slate has a wide variety of slip and anti-block additives levels and includes a large numbers of grades with excellent optical properties.

Application:

- Pouches
- Bags
- Liners
- Lamination film

Tubular production technology guarantees a very low gel level and outstanding draw down ability,low odour and taste levels, ahich is of advantage for thin film processing and e.g. food packaging.

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#	Physical	Value	Unit	Method
1	High Load Melt Flow Index (190℃/ 2.16 kg)	1.9	g/10min	
2	Density 2	0.921	kg/m3	
3	**MECHANICAL**			
4	blocking	20	g	
5	Coefficient of Friction	1	-	ASTM D1894
6	Dart Drop Impact Strength	26	kJ/m3	-
7	Film Elongation at Break, MD	150	%	-
8	Film Elongation at Break, TD	500	%	-
9	Film Tensile Modulus, MD	190	MPa	-
10	Film Tensile Modulus, TD	200	MPa	-
11	Film Tensile Strength at Break, TD	20	MPa	-
12	Film Tensile Strength at Yield, MD	13	MPa	-
13	Film Tensile Strength at Yield, TD	11	MPa	-
14	Re-Blocking	100	gr	-
15	Tear Strength, MD	60	KN / m	-
16	Tear Strength, TD	25	KN / m	-
17	**Optical**			
18	Gloss	50	45	ASTM D2457
19	Haze	11	%	-

Additive: Antioxidant /Zinc Stearate

Enviroment:

The environmental aspects of any packaging material do not only imply waste issues but have to be considered in relation with the use of natural resources, the preservations of food stuffs ,etc. We considers polyethylene to be an environmentally efficient packaging material. Its low specific

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energy consumption and insignificant emissions to air and water designate polyethylene as the ecological alternative in comparison with the traditional packaging materials.

Recycling:

Recycling of packaging materials is supported by our manufacturers whenever ecological and social benefits are achieved and where a social infrastructure for selective collecting and sorting of packaging is fostered. Whenever 'thermal' recycling of packaging (i.e. incineration with energy recovery) is carried out, polyethylene –with its fairly simple molecular structure and low amount of additives- is considered to be a trouble-free fuel.

Food approvals:

The converter/food packager is responsible for compliance of the performance of the final article under foreseeable conditions of use. More specific information on the regulatory aspects of the polyethylene is available in the relevant Food Approval Declarations which can be obtained from our Sales Office.

Safety:

Under normal conditions polyethylenes do not present a toxic hazard through skin contact or inhalation. During processing contact with molten polymer and inhalation of volatilized fumes should be avoided. It is recommended to install exhaust hoods over processing machines and to keep working area well ventilated. More specific information on the safety aspects of the polyethylenes is provided in the relevant Material Safety Data Sheets, available from our Sales Office.

Storage:

As polyethylenes, like most polymers, are combustible, the usual precautions concerning ignition sources should be taken in warehouses and storage rooms. where large quantities are kept in store, it is necessary to observe the normal rules for orderly stock control and to keep out dust and moisture. Polyethylenes should be stored in such a way as to prevent exposure to direct sunlight, as this may lead to quality deterioration.

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