Product Description: **LDPE 1922T** **Injection Molding**

Applications: It is used for applications that require a good balance between flow properties and mechanical properties e.g. toys, household articles, clamping lids.

Typical Data:

Property	Unit	Value	Test Method
MFR* at 190°C and 2.16 kg	dg/10min	22	ISO 1133
MFR* at 190°C and 5 kg	dg/10min	75	
Density*	kg/m^3	919	ISO 1183 (A)
Formulation			
Anti oxidant**	ppm	600±60	DSM METHOD
Anti block	ppm	-	
Slip	ppm	-	
Mechanical			
Tensile Strength@ yield	MPa	8	ISO 527/2
Tensile Strength@ Break	MPa	7	ISO 527/2
Elongation@ break	%	400	
Hardness Shore D	-	45	ISO 868
ESCR	h	3	DSM Method
Tensile Modulus	MPa	175	ISO 527/2
Creep Modulus after 1h	MPa	80	ISO 899
Ball indentation hardness	MPa	16	ISO 2039-1
Izod Impact Notched	kj/m^2	42	ISO 180/A
Thermal			
Vicat Softening Temp.	°C	82	ISO 306
Heat Deflection Temp.	°C	39	ISO 75
Melting Temp.	°C	105	DIN 53765

* The values given for MFR and Density are targeted values. This exact values are guaranteed by licensor within applicable given ranges.

** By customer request

Storage, Handling:

As poly ethylenes, 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. it should be stored in such a way to prevent exposure to direct sun light, as this may lead to quality deterioration.

Health, Safety, Food Contact:

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.
The chemical composition of the polyethylene grades comply with USA-FDA.

Environment, Recycling:

The environmental aspects of any packaging material do not imply waste issues but have to be considered in relation with the use of natural resources, the preservations of foodstuffs.
Whenever thermal recycling of packaging is carried out, polyethylene with its fairly simple molecular structure and low amount of additive is considered to be a trouble-free fuel.

Packaging:

This is supplied in the form of pellets, in big bag (1000 Kg) or 25 kg bags. The 25 bags are delivered on shrink-wrapped pallets.