Product Description: **LDPE 2100TN00** **Heavy Duty Film**

Applications: It is suitable for application in Shrink hoods, Industrial sacks, Heavy duty carrier bags and liners

Typical Data:

Property	Unit	Value	Test Method
MFR*	dg/10min	0.3	ISO 1133
Density*	kg/m^3	921	ISO 1183 (A)
Optical properties			
Haze	%	15	ASTM D1003A
Clarity	mV	56	DSM METHOD
Gloss	%	39±5	ASTM D2457
Formulation			
Anti oxidant**	ppm	600±60	DSM METHOD
Anti block	ppm	-	
Slip	ppm	-	
Film Properties			
Impact Strength	kJ/m	35	ASTM D4272
Tear Strength TD	kN/m	25	ISO 6383-2
Tear Strength MD	kN/m	20	ISO 6383-2
Yield Stress TD	MPa	11	ISO R527-1
Yield Stress MD	MPa	12	ISO R527-1
Tensile Strength TD	MPa	26	ISO R527-1
Tensile Strength MD	MPa	29	ISO R527-1
Elongation at break TD	%	>500	ISO R527-1
Elongation at break MD	%	>200	ISO R527-1
Modulus of elasticity TD	MPa	190	ISO R527-1
Modulus of elasticity MD	MPa	180	ISO R527-1
Secant Modulus			
Puncher resistance			
Coefficient of friction		0.7	ASTM D1894

* 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.