

## 7000F HDPE

7000F is a high molecular weight, high density polyethylene copolymer which has a broad molecular weight distribution. The design of the product, molecular architecture and density, gives it a unique combination of easy extrusion and high melt strength with strong physical properties which makes it suitable for producing thin films with excellent strength and rigidity.

### Application:

- Films
- Film with Public Use
- Shopping bags
- Heavy duty bags
- Food packaging bag
- Industrial bags



### Properties:

- Recommend film thickness at 10-25 micron
- High tensile strength with good dart impact strength
- Low gel content
- Good moisture barrier
- Enhanced ultra-thin film
- Food contact applicable
- High stiffness
- Wide service Temperature range, UV resistance
- Good impact resistance and processability

#	PHYSICAL	VALUE	UNIT	METHOD
<b>Resin Properties</b>				
1	Melt Flow Rate	0.04	g/10 min	ASTM D 1238
2	Density	0.952	g/cm3	ASTM D 1183
<b>Film Properties</b>				
1	ESCR	600	h	ASTM D1693
2	Izod Impact Strength, Notched	294	J / m	ASTM D256
3	Tensile Elongation at Break	500	%	ASTM D638
4	Tensile Strength at Break	38.24	MPa	ASTM D638
5	Tensile Strength at Yield	24.51	MPa	ASTM D638
<b>THERMAL</b>				
1	Melting Point	131	C °	ASTM D2117

### Process conditions:

Typical processing conditions for 7000F are:

Melt Temperature: 200 - 215°C Frost line Height: 6-8 times die Ø

### Packing:

25 Kg plastic bags

Big bag with specified weight

### Storage and Handling:

Pellets are packed in 25 kg PE-LD bags and transported on stretch or shrink-wrapped pallets at eligible load of polymer 1375 kg. Heat treated pallets are available as well. We use adhesive between the bags in order to avoid their slipping. Pay attention to this fact during the removing of the bags from the pallets. The preferred method is to lift the bag at first without rotation. Transportation in a road silo or rail silo is also available. Since polyethylene is a combustible substance, the fire safety rules applicable for combustible materials in warehouses and store rooms should be observed. If polymer is stored in conditions of high humidity and fluctuating temperatures, then atmospheric moisture can condense inside the packing. If it happened, it is recommended the pellets to be dried before use. During the storage polyethylene should not be exposed to UV radiation and temperatures above 40°C. Producer does not take responsibility for any damages caused by adverse storage.

**Reach Statement:**

Polymers are exempt of REACH registration. However, their raw materials which mean monomers and relevant additives have been registered. We are committed to fully respect legislation and will only use REACH compliant raw materials. At this point in time TIPELIN does not contain any substances specifically identified as SVHC at levels greater than 0.1%.

For technical assistance or further information on this product contact us.