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Name:

Product Data sheet – Low Density polyethylene  
POLIRAN LH-0075

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### Product Description

LH0075 is a high molecular weight low density polyethylene film grade combining good flexible extrusion behavior and superior mechanical properties. Film made from LH0075 exhibits high dart impact combined with excellent yield and tensile strength and high stiffness. It can be processed on automatic machines. It possesses good dimensional stability. LH0075 is chiefly recommended for extrusion of blown film. It is suitable for shrink film having a high resistance to whole formation and high degree of shrinkage on cooling. LH0075 contains antioxidant.

### Typical Application

- Carrier bags
- Shrink film
- Industrial film
- Dust bin liners
- Large bottles
- Blow molding of small containers
- Packaging of pharmaceutical products

### Typical Data

TYPICAL TEST	UNIT	SPECIFICATION	TEST METHOD
M.F.I.	gr/10min	0.68-0.85	ASTM D-1238
Density	gr/ml	0919-.9225	TSTM-209 B
Softening Point	° C	93-97	ASTM D-1525
Elongation @ Break (MD)	%	min 290	ASTM D-882
Elongation @ Break (TD)	%	min 450	ASTM D-882
Tensile @ Break (MD)	kg/cm <sup>2</sup>	Min170	ASTM D-882
Tensile @ Break (TD)	kg/cm <sup>2</sup>	min150	ASTM D-882
Dart Impact. min	gr	Min 120	ASTM D-1709

TSTM = Toyo Soda Standard Test Method. The above data are typical Laboratory average. They are intended to serve as guides only.

### Licensors

- Producer: Bandar Imam Petrochemical Co.
- Licensor: TOSOH CORP

### Processing Conditions

LH0075 can be easily processed in all types of extruders. The temperature of the polymer at the die output should be in the range of 180-210 °C. In order to preserve the excellent mechanical properties, it is advisable to limit the predominant orientation of the film along the machine direction by working with a blowup ratio of 2. The film temperature at the nip rollers and haul-off should be kept as close as possible to the ambient temperature.

**Note:** This information is based on our current knowledge and experience. In view of many factors that may affect processing and application, this data does not relieve processors from the responsibility of carrying out their own tests and experiments, neither does it imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.



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### Packaging

Packing: 25 Kg plastic bags on Pallet.

### Food & Pharmaceutical Application

LH-0075 used in articles that contact food expect for articles for packaging or holding food during cooking.

### Storage

The temperature Storage should be kept as close as possible to the ambient temperature& dry place.

### Handling

LH-0075 is not a hazardous material in most of industrial operations. Please refer to the product Material Safety Data Sheet (MSDS)

### Combustibility

Stable under normal temperature conditions and recommended use. The material can burn only upon heating to temperatures at above the Decomposition temperature. Combustion products include carbon monoxide, and carbon Dioxide. Please refer to the product Material Safety Data Sheet (MSDS).

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