

LD –LH0075

1) 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 hole formation and high degree of shrinkage on cooling. LH0075 contains antioxidant.

Applications:

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

3) Typical data

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
MFI (190°C/2. 16 kg)	ASTM D 1238	gr/10min.	0.75
Density	* TSTM 209 B	gr/ml	0.9210
Vicat softening point	ASTM D 1525	°C	94
Elongation @ break (MD)	ASTM D 882	%	300 min.
Elongation @ break (TD)	ASTM D 882	%	450 min.
Tensile @ break (MD)	ASTM D 882	kg/cm ²	170 min.
HDT	ASTM D 648	°C	33
Dart impact	ASTM D 1709	gr	120 min.

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

4) Process 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 blow up ratio of 2. The film temperature at the nip rollers and haul-off should be kept as close as possible to the ambient temperature.
Producer: Bandar Imam Petrochemical Co. Licensor: TOSOH CORP Packing: 25 Kg plastic bag