

LD –LH0075

Low Density Polyethylene



Product Description

LH0075 is a high molecular weight low density polyethylene film grade combining good flexible extrusion behaviour 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.

Applications

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

PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
MFI (190°C/2. 16 KG)	gr/10min.	0.75	ASTM D 1238
DENSITY	gr/ml	0.9210	* TSTM 209 B
VICAT SOFTENING POINT	°C	94	ASTM D 1525
ELONGATION @ BREAK (MD)	%	300 min.	ASTM D 882
ELONGATION @ BREAK (TD)	%	450 min.	ASTM D 882
TENSILE @ BREAK (MD)	kg/cm ²	170 min.	ASTM D 882
HDT	°C	33	ASTM D 648
DART IMPACT	gr	120 min.	ASTM D 1709

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

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: TOSHCORP

Packing: 25 Kg plastic bag

IMPORTANT: The information and data presented herein are based on values from respective product manufacture. Therefore, no warranty or guarantee, expressed or implied, is made nor is any accountability accepted with respect to the use of such information and data. All mentioned data are typical values and not to be considered as legally binding specification.