BARUS

TECHNICAL DATA SHEET

LDPE 0075

PACKING

General Informations:

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:

LH0075 is well suited for wide range of applications due to its unique balance of properties. The superior mechanical properties will improve the functionability of the film. Some examples are; carrier bags, shrink film, industrial film, dust bin liners, large bottles, blow moulding of small containers, packaging of pharmaceutical products, packaging of foodstuffs and bottles for storage of chemical products.

Specifications:

Property	Unit	Value	Test Method
MFI (190°C/2. 16 kg)	gr/10min.	0.75	ASTM D 1238
Density	gr/ml	0.920	* TSTM 209 B
Vicat softening point	°C	95	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.

ISO 10002:2018

ISO 10004:2018

ISO 9001:2015

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 ^{o}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.

Storage:

The product should be stored in dry conditions at temperature below 60 ^{o}C and protected from UV light. Improper storage can initiate degradation that causes odor generation and colour changes.

Health & Environment:

LH0075 is not classified as a dangerous product. Dust and fines from the product may give a risk for dust explosion. All equipment should be properly grounded. Inhalation of dust may irritate the respiratory system and should be avoided. During processing of the product small amounts of fumes are generated, which require proper ventilation.

Recycling:

The product is recyclable using modern methods of shredding and cleaning. It can be used for other applications only if it is approved by the relevant standard or specification. In-house production waste should be kept clean to facilitate direct recycling.

Dumping and land filling is also possible in agreement with the competent authorities.

Food Content:

The composition of products complies with the EC Directive 90.128.EEC for use in food contact applications.

Packaging:

This product is packed in 25 Kg PE bags.