



LDPE	LLDPE	MDPE	HDPE	PP	PVC	GPPS	HIPS	EPS	PET	ABS	SBR	PBR	PC	E.P.
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LH0050 LOW DENSITY POLYETHYLENE

General Informations:

LH0050 is a high molecular weight low density polyethylene film grade combining good flexible extrusion behavior and superior mechanical properties. Film made from LH0050 exhibits high dart impact combined with excellent yield and tensile strength and high stiffness, very strong, sufficient rigid to be used on automatic machines and have good dimensional stability. LH0050 is principally recommended for extrusion film blowing. It is suitable for shrink films. For shrink film having a high resistance to hole formation and high degree on cooling. LH0050 contains antioxidant.

Applications:

LH0050 is well suited for wide range of applications due to its unique balance of properties. The superior mechanical properties will improve the functionality 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.	0.5	ASTM D 1238
Density	gr/ml	0.920	* TSTM 209 B
Vicat softening point	°C	94	ASTM D 1525
Elongation @ break (MD)	%	280 min.	ASTM D 882
Elongation @ break (TD)	%	550 min.	ASTM D 882
Tensile @ break	kg/cm ²	230 min.	ASTM D 882
HDT	°C	58	ASTM D 648
Dart impact	gr	130min.	ASTM D 1709

* TSTM = Toyo Soda Standard Test Method

The above data are typical laboratory average . They are intended to serve as guides only.



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Processing Conditions:

LH0050 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.

Storage:

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

Health & Environment:

LH0050 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 Contact:

The product complies with the EC Directive 90/128/EEC for use in food contact application.

Packaging:

This product is packed in 25 Kg PE bags.