Technical Data Sheet

LD –LF0200

Low Density Polyethylene

Product Description

LF0200 is a high molecular weight low density polyethylene film grade combining good flexible extrusion behaviour and superior mechanical properties. Film made from LF0200 exhibits high dart impact combined with excellent yield and tensile strength and high stiffness. Its toughness bears even in cold temperatures. The film can be sealed on all types of machines. The film possesses good dimensional stability and is resistant to tearing and breaking. LF0200 contains antioxidant.

Applications

- General purpose bags
- Packaging of mechanical parts Industrial film
- Carrier bags large bottles
- Coextruded milk bags
- Low tension power cables insulation and industrial injection moulding

PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
MFI (190 °C/2.16 KG)	gr/10 min.	2	ASTM D 1238
DENSITY	gr/ml	0.920	*TSTM 209 B
SOFTENING POINT	°C	94	ASTM D 1525
HAZE	%	15 max.	ASTM D 1003
GLOSS @ 60	Gu	60 min.	ASTM D 523
ELONGATION @ BREAK (MD)	%	330 min.	ASTM D 882
ELONGATION @ BREAK (TD)	%	600 min.	ASTM D 882
TENSILE @ BREAK (MD)	kg/cm	160 min.	ASTM D 882
DART IMPACT	Gr	100 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

LF0200 can be easily processed in all types of extruders.
The temperature of the polymer at the die output should be in the range of 160-180°c. Minimum blow up ratio should be about 2 in order to keep a good balance of mechanical properties.
To avoid blocking and shrinkage in the reel, 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: TOSOHCORP
Packing: 25 Kg plastic bag

Lilla Bommen 6
411 04 Gothenburg
Sweden

www.petroreyden.se

Phone: +46 728760215
Fax: +46 31 3088645
Email: sales@petroreyden.se