

## Low Density PolyEthylene LF0200

### General Information

LF0200 is a high molecular weight low density polyethylene film grade combining good flexible extrusion behavior and superior mechanical properties. Film made from LF0200 exhibits high dart impact combined with excellent yield and tensile strength and high stiffness.

### Application

LF0200 is well suited for wide range of applications due to its unique balance of properties. The superior mechanical properties will improve the function ability of the films.

Properties	Value	Units	Test Method
MFI (190 <sup>0</sup> /2.16kg)	2	g/10 min	ASTM D 1238
Density	0.920	g/ml	TSTM 209 B
Swell Ratio		%	
Softening Point	94	<sup>0</sup> c	ASTM D 1525
Haze	15 Max	%	ASTM D 1003
Elongation@ break (MD /TD)	330/600Min	%	ASTM D 882
Tensile @ break (MD /TD)	160Min	KG /Cm	ASTM D 882
Dart impact	100Min	Gr	ASTM D1709

### Processing 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.

### Storage

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

**Health & Environment**

LF0200 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 suitable for recycling using modern methods of shredding and cleaning for other applications only if approved in the relevant standard or specification. In-house production waste should be kept clean to facilitate direct recycling.

**Packaging**

This product is packed in 25 Kg PE bags.

**Producer**

Bandar Imam Petrochemical Company

www.polymeran.com