



## Technical Data Sheet

# IPETHENE® 111

### Low Density Polyethylene

From time to time the information including in this data sheet is updated, changes could be seen with the following link:  
<http://caol.co.il/Media/Uploads/111+.pdf>

#### Description

**IPETHENE® 111** is a low density polyethylene extrusion grade, containing no additives. It exhibits good balance between mechanical and optical properties.

#### Applications

**IPETHENE® 111** is used to produce 30 to 100µm films for Form-Fill-Seal packaging, shrink applications, and agricultural films. It can also be used for extrusion of profiles, pipes and blow molded articles.

#### Quality, Environment and Safety Regulations

Material Safety Data Sheets and Product Safety declarations are available on our web site <http://www.caol.co.il>

Properties		Method	Typical Value*	Unit
Melt Flow Rate	(190°C/2.16Kg)	ISO 1133	0.7	g/10min
Density		ISO 1183-A	0.920	g/cm <sup>3</sup>
<b>Film Properties**</b>				
Dart Drop Impact	(F <sub>50</sub> )	ISO 7765-A	180	g
Tensile Stress at Break	(MD/TD)	ISO 1184	26/17	MPa
Tensile Strain at Break	(MD/TD)	ISO 1184	250/500	%
Elmendorf Tear	(MD/TD)	ISO 6383-2	400/250	g
Haze		ASTM D 1003	8	%
Gloss	(45°)	ASTM D 2457	60	

\*Typical values; not to be construed as specifications.

\*\*Measured on 50µm blown film, BUR 2:1, output 80 Kg/h, melt temperature ~180°C.

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