

Technical Data Sheet**IPETHENE® 100****Low Density Polyethylene****Description**

IPETHENE® 100 is a low density polyethylene extrusion grade. It exhibits good impact and puncture resistance, good processability, and good ESCR.

Applications

IPETHENE® 100 is used for the production of 80 to 250µm films for general purpose heavy duty and shrink packaging, liners, greenhouses coverings and industrial applications. Other extrusion applications are pipe systems, sheets, tubes, bottles, containers, nets, and various profiles.

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	0.3	g/10min
Density		ISO 1183-A	0.920	g/cm ³
Film Properties**				
Dart Drop Impact	(F ₅₀)	ISO 7765-A	630	g
Tensile Stress at Break	(MD/TD)	ISO 1184	22/19	MPa
Tensile Strain at Break	(MD/TD)	ISO 1184	350/450	%
Elmendorf Tear Strength	(MD/TD)	ISO 6383-2	300/500	g

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

***Measured on 100µm blown film, BUR 2:1, output 80 Kg/h, melt temperature ~220°C.*