

Technical Data Sheet

IPETHENE® 111

Low Density Polyethylene

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 ³
Film Properties**				
Dart Drop Impact	(F ₅₀)	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.