



Producer: Carmel Olefins Ltd. / Israel

IPETHENE® 100

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 250 µm films for general purpose heavy duty and shrink packaging, liners, green houses coverings and industrial applications. Other extrusion applications are pipe systems, sheets, tubes, bottles, containers, nets and various profiles.

PROPERTY	METHOD	TYPICAL VALUE*	UNIT
Physical			
Melt Flow Rate (2.16 kg/190°C)	ISO 1133	0.3	g/10 min
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 blow film, BUR 2:1, output 80 kg/h, melt temperature ~ 220 °C