

**Technical Data Sheet****IPETHENE® 210****Low Density Polyethylene****Description**

**IPETHENE® 210** is a low density polyethylene extrusion grade, containing no additives. It exhibits a good balance between mechanical and optical properties.

**Applications**

**IPETHENE® 210** is mainly used to produce 35 to 100µm cast films for disposable diapers, stretch films, and laminations.

**Quality, Environment and Safety Regulations**

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

| <b>Properties</b>        |                    | <b>Method</b> | <b>Typical Value*</b> | <b>Unit</b>       |
|--------------------------|--------------------|---------------|-----------------------|-------------------|
| Melt Flow Rate           | (190°C/2.16Kg)     | ISO 1133      | 1                     | 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    | 150                   | g                 |
| Tensile Stress at Break  | (MD/TD)            | ISO 1184      | 24/19                 | MPa               |
| Tensile Strain at Break  | (MD/TD)            | ISO 1184      | 400/650               | %                 |
| Elmendorf Tear Strength  | (MD/TD)            | ISO 6383-2    | 500/350               | 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 ~170°C.*