



**QAPCO**

QATAR PETROCHEMICAL COMPANY LTD.

**Lotrène® FD0274**

**LOW DENSITY POLYETHYLENE**

**DESCRIPTION**

Lotrène® FD0274 is mainly recommended for the extrusion of thin film for light and medium duty applications. It contains both slip agent and anti blocking additives.

**PROPERTIES**

The suitable molecular structure of Lotrène® FD0274 makes it possible to produce very thin, clear and glossy films,

Lotrène® FD0274 gives films of especially good dimensional stability with easy sealing whatever the type of machine used.

| POLYMER PROPERTIES        | VALUE | UNIT              | TEST METHOD |
|---------------------------|-------|-------------------|-------------|
| Melt Flow Index           | 2.4   | g/10 min.         | ASTM D-1238 |
| Density @ 23 °C           | 0.923 | G/cm <sup>3</sup> | ASTM D-1505 |
| Crystalline Melting Point | 111   | °C                | ASTM E-794  |
| Vicat Softening Point     | 94    | °C                | ASTM D-1525 |

| FILM PROPERTIES                 | VALUE   | UNIT | TEST METHOD |
|---------------------------------|---------|------|-------------|
| Tensile Strength @ Yield MD/ TD | 14/11   | MPa  | ASTM D-882  |
| Tensile Strength @ Break MD/ TD | 22/21   | MPa  | ASTM D-882  |
| Elongation @ Break MD/ TD       | 470/570 | %    | ASTM D-882  |
| Impact Strength, F 50           | 110     | g    | ASTM D-1709 |
| Coefficient Of friction         | 0.10    |      | ASTM D-1894 |
| Haze                            | 6.5     | %    | ASTM D-1003 |
| Gloss (@ 45 °)                  | 75      | Gu   | ASTM D-2457 |
| Clarity                         | 85      | %    | ASTM D-1746 |

(The above properties are measured on a blown film of 50 µm, @ 2.5 BUR)

*Note:* The values given in this technical data sheet are the results of tests carried out in accordance with standard test procedures. They are given as indication to enable customers to make the best use of our products but must be considered as average values provided without implying any undertaking on our part.