



# QAPCO

QATAR PETROCHEMICAL COMPANY LTD.

## Lotrène® FD0270

### LOW DENSITY POLYETHYLENE

#### **DESCRIPTION**

**Lotrène® FD0270** is an additive free grade mainly recommended for the extrusion of thin film for light and medium duty applications.

#### **PROPERTIES**

The suitable molecular structure of **Lotrène® FD0270** makes it possible to produce very thin, clear and glossy films,

**Lotrène® FD0270** gives films of especially good dimensional stability with easy sealing whatever the type of machine used.

<b>POLYMER PROPERTIES</b>	<b>VALUE</b>	<b>UNIT</b>	<b>TEST METHOD</b>
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

<b>FILM PROPERTIES</b>	<b>VALUE</b>	<b>UNIT</b>	<b>TEST METHOD</b>
Tensile Strength @ Yield MD/ TD	12/11	MPa	ASTM D-882
Tensile Strength @ Break MD/ TD	22/20	MPa	ASTM D-882
Elongation @ Break MD/ TD	550/600	%	ASTM D-882
Impact Strength, F 50	110	g	ASTM D-1709
Coefficient Of friction	0.45	-	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.