



QAPCO

QATAR PETROCHEMICAL COMPANY LTD.

Lotrène® FE8000

LOW DENSITY POLYETHYLENE

DESCRIPTION

Lotrène® FE8000 is an additive free grade mainly recommended for light and medium duty film applications with good optical properties and medium rigidity.

PROPERTIES

Lotrène® FE8000 produces films that are very strong, sufficiently rigid for automatic packaging machines, suitable for shrink wrapping and have good optical properties.

POLYMER PROPERTIES	VALUE	UNIT	TEST METHOD
Melt Flow Index	0.80	g/10 min.	ASTM D-1238
Density @ 23 °C	0.923	g/cm ³	ASTM D-1505
Crystalline Melting Point	112	°C	ASTM E-794
Vicat Softening Point	95	°C	ASTM D-1525

FILM PROPERTIES	VALUE	UNIT	TEST METHOD
Tensile Strength @ Yield MD/ TD	16/12	MPa	ASTM D-882
Tensile Strength @ Break MD/ TD	24/22	MPa	ASTM D-882
Elongation @ Break MD/ TD	500/600	%	ASTM D-882
Impact Strength, F 50	150	g	ASTM D-1709
Coefficient of Friction	0.45	-	ASTM D-1894
Haze	8.5	%	ASTM D-1003
Gloss (@ 45 °)	60	gu	ASTM D-2457
Clarity	45	%	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.