



QAPCO

QATAR PETROCHEMICAL COMPANY LTD.

Lotrène® FB3003

LOW DENSITY POLYETHYLENE

DESCRIPTION

Lotrène® FB3003 is an additive free grade mainly recommended for heavy duty film applications.

PROPERTIES

Lotrène® FB3003 has a suitable molecular structure to produce film with excellent mechanical properties, outstanding shrink properties. It has a high stress cracking resistance.

POLYMER PROPERTIES	VALUE	UNIT	TEST METHOD
Melt Flow Index	0.30	g/10 min.	ASTM D-1238
Density @ 23 °C	0.920	g/cm ³	ASTM D-1505
Crystalline Melting Point	109	°C	ASTM E-794
Vicat Softening Point	95	°C	ASTM D-1525

FILM PROPERTIES	VALUE	UNIT	TEST METHOD
Tensile Strength @ Yield MD/ TD	16/11	Mpa	ASTM D-882
Tensile Strength @ Break MD/ TD	25/25	Mpa	ASTM D-882
Elongation @ Break MD/ TD	550/600	%	ASTM D-882
Impact Strength, F 50	220	G	ASTM D-1709
Coefficient Of friction	0.50	-	ASTM D-1894
Haze	13	%	ASTM D-1003
Gloss (@ 45 °)	40	Gu	ASTM D-2457
Clarity	25	%	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.