



Data Sheet
Date Prepared:

LLDPE FT810

YUCLAIR FT810 is octene-1 copolymer designed for use in stretch wrap and casting type packaging film application. YUCLAIR FT810 provides stronger film than ones made from competitive LLDPE film grades. Therefore YUCLAIR FT810 shows superior tensile strength, tear strength, impact strength, gel-free, cling property. YUCLAIR FT810 can be processed readily into casting film using standard extrusion techniques. YUCLAIR FT810 complies with FDA regulations in 21 CFR177.1520 for all food contact.

Application / Use Case

Film / diaper, STRETCH WRAP (CASTING)

Specification

	Specification	Unit	Test Method
Density	0.918	g/cm ³	ASTM D1505
Melt Index	2.0	g/10min	ASTM D1238
Additives	-		SK Method

Physical Properties

	Value	Unit	Test Method
Film Thickness	30	µm	ASTM D746
Softening Point(Vicat)	100	°C	ASTM D1525
Tensile Strength at Yield(MD)	100	kg/cm ²	ASTM D882
Tensile Strength at Yield(TD)	100	kg/cm ²	ASTM D882
Tensile Strength at Break(MD)	470	kg/cm ²	ASTM D882

Head Office 99 Seorin-dong, Jongno-gu, Seoul 110-110, Korea
Tel. 82-2-2121-5114 Fax. 82-2-2121-7001
SK Institute of 140-1 Woncheon-dong, Yuseong-gu, Taejeon, Korea
Technology Tel. 82-42-866-7624 Fax. 82-42-866-7603
Online www.skglobalchemical.com
www.skchem.com

ISO 9001 Certified





Tensile Strength at Break(TD)	430	kg/cm ²	ASTM D882
Elongation at Break(MD)	700	%	ASTM D882
Elongation at Break(TD)	750	%	ASTM D882
Tear Strength(MD)	19	g/μm	ASTM D1922
Tear Strength(TD)	20	g/μm	ASTM D1922
Spencer Impact Strength	8	kg·cm	ASTM D3420
Haze	2	%	ASTM D1003
Brittleness Temperature	<-80	°C	ASTM D746

Note :

Film Extrusion Condition : Screw dia 50, Die width 450

Temp : Screw 190-230-230 Die 230-230-230

Die gap 0.8, Screw RPM 31, L/S

Head Office

99 Seorin-dong, Jongno-gu, Seoul 110-110, Korea

Tel. 82-2-2121-5114 Fax. 82-2-2121-7001

SK Institute of

140-1 Woncheon-dong, Yuseong-gu, Taejeon, Korea

Technology

Tel. 82-42-866-7624 Fax. 82-42-866-7603

Online

www.skglobalchemical.com

www.skchem.com

ISO 9001 Certified

