

# 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 <sup>3</sup>	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 <sup>2</sup>	ASTM D882
Tensile Strength at Yield(TD)	100	kg/cm <sup>2</sup>	ASTM D882
Tensile Strength at Break(MD)	470	kg/cm <sup>2</sup>	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 Technology 140-1 Woncheon-dong, Yuseong-gu, Taejeon, Korea  
Tel. 82-42-866-7624 Fax. 82-42-866-7603

Online [www.skglobalchemical.com](http://www.skglobalchemical.com)  
[www.skchem.com](http://www.skchem.com)

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Tensile Strength at Break(TD)	430	kg/cm <sup>2</sup>	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