



Data Sheet
Date Prepared:

LLDPE FN430

YUCLAIR FN430 is butene-1 copolymer designed for use in food wrap film application. YUCLAIR FN430 provides stronger film than ones made from competitive LLDPE film grades. Therefore YUCLAIR FN430 shows superior tensile strength, tear strength, gel-free, cling property. Outstanding clarity and good processibility make this resin an ideal choice for film application when blended with conventional LDPE.

YUCLAIR FN430 can be processed readily into blown film using standard extrusion techniques.

Application / Use Case

Film / Industrial, Agricultural

Specification

	Specification	Unit	Test Method
Density	0.919	g/cm ³	ASTM D1505
Melt Index	1.8	g/10min	ASTM D1238

Physical Properties

	Value	Unit	Test Method
Film Thickness	50	μm	ASTM D746
Tensile Strength at Yield(MD)	120	kg/cm ²	ASTM D882
Tensile Strength at Yield(TD)	110	kg/cm ²	ASTM D882
Tensile Strength at Break(MD)	430	kg/cm ²	ASTM D882
Tensile Strength at Break(TD)	360	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 SK energy co., ltd. : www.SKenergy.com
Chemical Business : www.skchem.com

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Elongation at Break(MD)	750	%	ASTM D882
Elongation at Break(TD)	850	%	ASTM D882
Brittleness Temperature	<-70	°C	ASTM D746
Spencer Impact Strength	12	kg·cm	ASTM D3420
Elmendorf Tear Strength(MD)	5	g/μm	ASTM D1922
Elmendorf Tear Strength(TD)	12	g/μm	ASTM D1922

These are typical properties only, and are not to be construed as specific limits.

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