



Data Sheet
Date Prepared:

LLDPE FG450

YUCLAIR FG450 is butene-1 copolymer designed for use in general purpose film application.. YUCLAIR FG450 shows superior tensile strength, tear strength, gel-free, antiblock and sealability. Outstanding clarity and good processibility make this resin an ideal choice for film application when blended with conventional LDPE. YUCLAIR FG450 can be processed readily into blown film using standard extrusion techniques.

Application / Use Case

Film / film, LDPE Blending

Specification

	Specification	Unit	Test Method
Density	0.919	g/cm ³	ASTM D1505
Melt Index	0.9	g/10min	ASTM D1238
Additives	S, A/B		SK Method

Physical Properties

	Value	Unit	Test Method
Film Thickness	50	μm	ASTM D746
Softening Point(Vicat)	100	°C	ASTM D1525
Tensile Strength at Yield(MD)	115	kg/cm ²	ASTM D882
Tensile Strength at Yield(TD)	105	kg/cm ²	ASTM D882
Tensile Strength at Break(MD)	420	kg/cm ²	ASTM D882
Tensile Strength at Break(TD)	350	kg/cm ²	ASTM D882
Elongation at Break(MD)	750	%	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 (Exporo 325), Yuseong-gu, Daejeon 305-712, Korea
Tel. 82-42-609-8601 Fax. 82-42-609-8680

Online SK globalchemical co., Ltd. : www.skglobalchemical.com
Chemical Business : www.skchem.com

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Elongation at Break(TD)	850	%	ASTM D882
Tear Strength(Elmendorf)(MD)	6.5	g/μm	ASTM D1922
Tear Strength(Elmendorf)(TD)	13	g/μm	ASTM D1922
Impact Strength(Spencer)	12	kg·cm	ASTM D3420
Haze	17	%	ASTM D1003

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

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