



Data Sheet
Date Prepared:

LLDPE FT400

YUCLAIR FT400 is butene-1 copolymer designed for use in food wrap and casting type packaging film application. YUCLAIR FT400 provides stronger film than ones made from competitive LLDPE film grades. Therefore YUCLAIR FT400 shows superior processibility, gel-free, cling property. YUCLAIR FT400 can be processed readily into casting film using standard extrusion techniques. YUCLAIR FT400 complies with FDA regulations in 21 CFR177.1520 for all food contact.

Application / Use Case

Film / diaper, electrical, food wrap

Characteristic

Processibility, Clarity

Specification

	Specification	Unit	Test Method
Density	0.919	g/cm ³	ASTM D1505
Melt Index	2.8	g/10min	ASTM D1238
Additives	-		SK Method

Physical Properties

	Value	Unit	Test Method
Film Thickness	30	μm	ASTM D746
Softening Point(Vicat)	102	°C	ASTM D1525
Tensile Strength at Yield(MD)	110	kg/cm ²	ASTM D882
Tensile Strength at Yield(TD)	110	kg/cm ²	ASTM D882
Tensile Strength at Break(MD)	350	kg/cm ²	ASTM D882
Tensile Strength at Break(TD)	320	kg/cm ²	ASTM D882

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Elongation at Break(MD)	830	%	ASTM D882
Elongation at Break(TD)	850	%	ASTM D882
Tear Strength(MD)	3	g/μm	ASTM D1922
Tear Strength(TD)	6	g/μm	ASTM D1922
Spencer Impact Strength	13	kg·cm	ASTM D3420
Haze	2	%	ASTM D1003
Brittleness Temperature	<-70	°C	ASTM D746

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

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

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