



Data Sheet
Date Prepared:

LLDPE FT411

YUCLAIR FT411 is a butene-1 copolymer which has good physical properties and low gel & fish-eye.

YUCLAIR FT411 has been specifically designed for use in hand wrap, food wrap, and packaging film where product qualities are absolutely essential for demanding casting processes.

YUCLAIR FT411 complies with FDA regulation 21 CFR 177.1520, 178.2010 when used unmodified and according to good manufacturing practices for food contact applications

Application / Use Case

BUTENE LLDPE For Casting Film Extrusion

Specification

	Specification	Unit	Test Method
Melt Index	2.0	g/10min	ASTM D1238
Density	0.920	g/cm ³	ASTM D1505

Physical Properties

	Value	Unit	Test Method
Film Thickness	30	μm	ASTM D374
Dart Impact Strength	115	g	ASTM D1709
Elmendorf Tear Strength (MD)	4	g/μm	ASTM D1922
Elmendorf Tear Strength (TD)	7	g/μm	ASTM D1922
Tensile Strength at Yield(MD)	112	kg/cm ²	ASTM D882
Tensile Strength at Yield(TD)	112	kg/cm ²	ASTM D882
Tensile Strength at Break(MD)	370	kg/cm ²	ASTM D882

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Tensile Strength at Break(TD)	340	kg/cm ²	ASTM D882
Elongation at Break(MD)	800	%	ASTM D882
Elongation at Break(TD)	830	%	ASTM D882
Tensile Modulus(MD)	2,200	kg/cm ²	ASTM D882
Tensile Modulus (TD)	2,700	kg/cm ²	ASTM D882
Haze	2	%	ASTM D1003

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

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