

# LLDPE FT610

YUCLAIR FT610 is octene-1 and butene-1 copolymer designed for use in stretch wrap and casting type packaging film application. YUCLAIR FT610 provides stronger film than ones made from competitive LLDPE film grades. Therefore YUCLAIR FT610 shows superior tensile strength, tear strength, impact strength, gel-free, cling property.

YUCLAIR FT610 can be processed readily into casting film using standard extrusion techniques. YUCLAIR FT610 complies with FDA regulations in 21 CFR177.1520 for all food contact.

## Application / Use Case

Film / industrial, T-Die

## Specification

	Specification	Unit	Test Method
Density	0.919	g/cm <sup>3</sup>	ASTM D1505
Melt Index	2.1	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 <sup>2</sup>	ASTM D882
Tensile Strength at Yield(TD)	110	kg/cm <sup>2</sup>	ASTM D882

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Tensile Strength at Break(MD)	400	kg/cm <sup>2</sup>	ASTM D882
Tensile Strength at Break(TD)	360	kg/cm <sup>2</sup>	ASTM D882
Elongation at Break(MD)	700	%	ASTM D882
Elongation at Break(TD)	750	%	ASTM D882
Tear Strength(MD)	10	g/μm	ASTM D1922
Tear Strength(TD)	12	g/μm	ASTM D1922
Brittleness Temperature	< -70	°C	ASTM D746
Elongation	700/750	%	ASTM D638
Spencer Impact Strength	6	kg·cm	ASTM D3420
Haze	2.0	%	ASTM D1003

Note : These are **typical properties** only, and are **not to be construed as specifications**. The physical properties are highly dependent on the manufacturing conditions. So customers should performances by their own tests.

Film Extrusion Condition: Screw Dia 40mm, Die Gap 1mm, Melt Temp(°C) 190~230

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