

LLDPE FT871

YUCLAIR FT871 is octene-1 copolymer designed for use in diaper film and casting type packaging film application. YUCLAIR FT871 provides stronger film than ones made from competitive LLDPE film grades. Therefore YUCLAIR FT871 shows superior stiffness, tensile strength, gel-free, and processibility. YUCLAIR FT871 can be processed readily into casting film using standard extrusion techniques. YUCLAIR FT871 complies with FDA regulations in 21 CFR177.1520 for all food contact.

Application / Use Case

Film / diaper, T-Die

Specification

	Specification	Unit	Test Method
Density	0.932	g/cm ³	ASTM D1505
Melt Index	4.0	g/10min	ASTM D1238

Physical Properties

	Value	Unit	Test Method
Film Thickness	40	μm	ASTM D746
Tensile Strength at Yield(MD)	140	kg/cm ²	ASTM D882
Tensile Strength at Yield(TD)	140	kg/cm ²	ASTM D882
Tensile Strength at Break(MD)	520	kg/cm ²	ASTM D882
Tensile Strength at Break(TD)	410	kg/cm ²	ASTM D882
Elongation at Break(MD)	740	%	ASTM D882
Elongation at Break(TD)	940	%	ASTM D882

ISO 9001 Certified



Tear Strength(MD)	3	g/μm	ASTM D1922
Tear Strength(TD)	16	g/μm	ASTM D1922
Dart Impact Strength	70	g	ASTM D1709A
Haze	6	%	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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