



Data Sheet

Date Prepared:

LLDPE FT811

YUCLAIR FT811 is octene-1 copolymer designed for use in diaper film and casting type packaging film application. YUCLAIR FT811 provides stronger film than ones made from competitive LLDPE film grades. Therefore YUCLAIR FT811 shows superior stiffness, tensile strength, gel-free, and processibility. YUCLAIR FT811 can be processed readily into casting film using standard extrusion techniques. YUCLAIR FT811 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	2.7	g/10min	ASTM D1238

Physical Properties

	Value	Unit	Test Method
Film Thickness	30	μm	ASTM D746
Tensile Strength at Yield(MD)	150	kg/cm ²	ASTM D882
Tensile Strength at Yield(TD)	150	kg/cm ²	ASTM D882
Tensile Strength at Break(MD)	460	kg/cm ²	ASTM D882
Tensile Strength at Break(TD)	430	kg/cm ²	ASTM D882
Elongation at Break(MD)	740	%	ASTM D882

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Elongation at Break(TD)	810	%	ASTM D882
Tear Strength(MD)	6	g/μm	ASTM D1922
Tear Strength(TD)	8	g/μm	ASTM D1922
Spencer Impact Strength	5	kg.cm	ASTM D3420
Haze	6.5	%	ASTM D1003
Brittleness Temperature	<-80	°C	ASTM D746

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 7

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