

# YUCLAIR® FT811

Linear Low Density Polyethylene

SK Global Chemical

Message:

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.

General Information			
Features	Rigidity, high		
	High tensile strength		
	Copolymer		
	Workability, good		
	Compliance of Food Exposure		
Uses	Packaging		
	cast film		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	cast film		
Physical	Nominal Value	Unit	Test Method
Density	0.932	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.7	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	30	µm	ASTM D746
Tensile Strength			ASTM D882
MD: Yield, 30 µm	14.7	MPa	ASTM D882
TD: Yield, 30 µm	14.7	MPa	ASTM D882
MD: Break, 30 µm	45.1	MPa	ASTM D882
TD: Break, 30 µm	42.2	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 30 µm	740	%	ASTM D882
TD: Break, 30 µm	810	%	ASTM D882
Elmendorf Tear Strength			ASTM D1922
MD : 30 µm	180	g	ASTM D1922
TD : 30 µm	240	g	ASTM D1922
Spencer Impact (30.0 µm)	0.490	J	ASTM D3420
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -80.0	°C	ASTM D746

Optical	Nominal Value	Unit	Test Method
Haze	6.5	%	ASTM D1003

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	190	°C
Cylinder Zone 3 Temp.	230	°C
Cylinder Zone 5 Temp.	230	°C
Die Temperature	230	°C

Extrusion instructions
------------------------

Film Extrusion Condition: Screw dia 50, Die width 450Die gap 0.8, Screw RPM 31, L/S 7

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

