

YUCLAIR® FN810

Linear Low Density Polyethylene

SK Global Chemical

Message:

YUCLAIR FN810 is octene-1 copolymer designed for use in stretch wrap film application.

YUCLAIR FN810 provides stronger film than ones made from competitive LLDPE film grades. Therefore YUCLAIR FN810 shows superior tensile strength, tear strength, gel-free, cling property. Outstanding clarity and good processibility make this resin an ideal choice for film application when blended with conventional LDPE.

YUCLAIR FN810 can be processed readily into blown film using standard extrusion techniques.

YUCLAIR FN810 complies with FDA regulations in 21 CFR177.1520 for all food contact.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Processability		
	Good Tear Strength		
	High Clarity		
	High Cling		
	High Tensile Strength		
	Octene Comonomer		
Uses	Blending		
	Film		
	Industrial Applications		
	Stretch Wrap		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blown Film		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	ASTM D746
Tensile Strength			ASTM D882
MD : Yield	11.8	MPa	
TD : Yield	10.8	MPa	
MD : Break	53.9	MPa	
TD : Break	49.0	MPa	
Tensile Elongation			ASTM D882

MD : Break	700	%	
TD : Break	800	%	
Spencer Impact	1.27	J	ASTM D3420
Tear Strength			ASTM D1922
MD	176.5	kN/m	
TD	225.6	kN/m	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -80.0	°C	ASTM D746
Vicat Softening Temperature	102	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Haze	17	%	ASTM D1003

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

